TECHNICAL NOISE REPORT
FOR
SHADY GROVE ROAD
I-370 TO
MUNCASTER MILL ROAD

JULY, 2005

Prepared by:

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SECTION 2 – MAPS

SECTION 3 – EXISTING NOISE ENVIRONMENT

SECTION 4 – PREDICTED NOISE LEVELS

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Project Location and Description

The Study Area includes Shady Grove Road from its intersection with Briardale Road to its intersection with Muncaster Mill Road. A total of twelve Logical Analysis Segments (LASs) were identified within the study area and forty-one receptor sites were selected to best reflect the existing and future noise environment.

Purpose of Study

The purpose of this study is to determine the existing noise levels, to predict the effect that the widening of Shady Grove Road will have on noise levels, and to determine if noise criteria are exceeded and mitigation measures are feasible and reasonable in conformance with current Montgomery County's Highway Noise Abatement Policy, October 2001.

Highway Noise Fundamentals

This report presents noise levels in terms of the A-weighted equivalent sound level (L_{eq}). L_{eq} is a single number representation of the actual fluctuating sound level that accounts for all sound energy during a given period of time. The units of L_{eq} are A-weighted decibels (dBA). The A-weighting means that the sound is measured by a method that approximates the response of the human ear, with de-emphasis on the low and very high frequencies and emphasis on the mid-frequency noise level range. The following examples attempt to provide a sense of perspective to the noise levels discussed:

- A quiet rural night will register about 40 dBA.
- A quiet suburban night will register 50 to 55 dBA.
- A gasoline engine powered lawn mower at 100 feet will register about 70 dBA.
- A noisy day near a major arterial will register 75 to 80 dBA.
- A diesel truck at highway speeds at 50 feet will register about 80 dBA.

Local jurisdictions are pre-empted by State law from regulating noise from motor vehicles on public roadways. The Maryland State Police have recently implemented effective truck noise regulations statewide limiting trucks to about a 50 foot pass by level of 77 dBA at highway speeds. Under typical field conditions, noise level changes of 2-3 dBA are barely perceptible, while a change of 5 dBA is readily noticeable. A 10 dBA increase in noise level is judged by most people as a doubling of sound loudness. Noise diminishes with distance at a predictable rate. A highway with moderate traffic would be considered a line source, and noise could be predicted to diminish by 3 dBA with each doubling of distance from the roadway. On the other hand, an isolated pass of an individual vehicle would be considered a point source yielding a reduction of 6 dBA for

each doubling of distance. These reductions are conservative and do not reflect the effects of terrain, obstructions and ground cover.

Noise Abatement Criteria

The determination of traffic noise impacts are based on the relationship between the ambient noise levels, the predicted peak hour traffic noise levels and the established noise abatement criteria for the Study Area. The effects of noise in the project area are judged in accordance with the current Montgomery County Noise Abatement Policy dated October 2001. According to the Maryland State Highway Administration's Sound Barrier Policy, there are different noise abatement criteria for Type I (new construction) and Type II (existing roadways) projects. There is no such distinction in the County's Transportation Policy and all criteria for abatement will be applied in the same manner to both new construction and existing roadway projects. These criteria are summarized below:

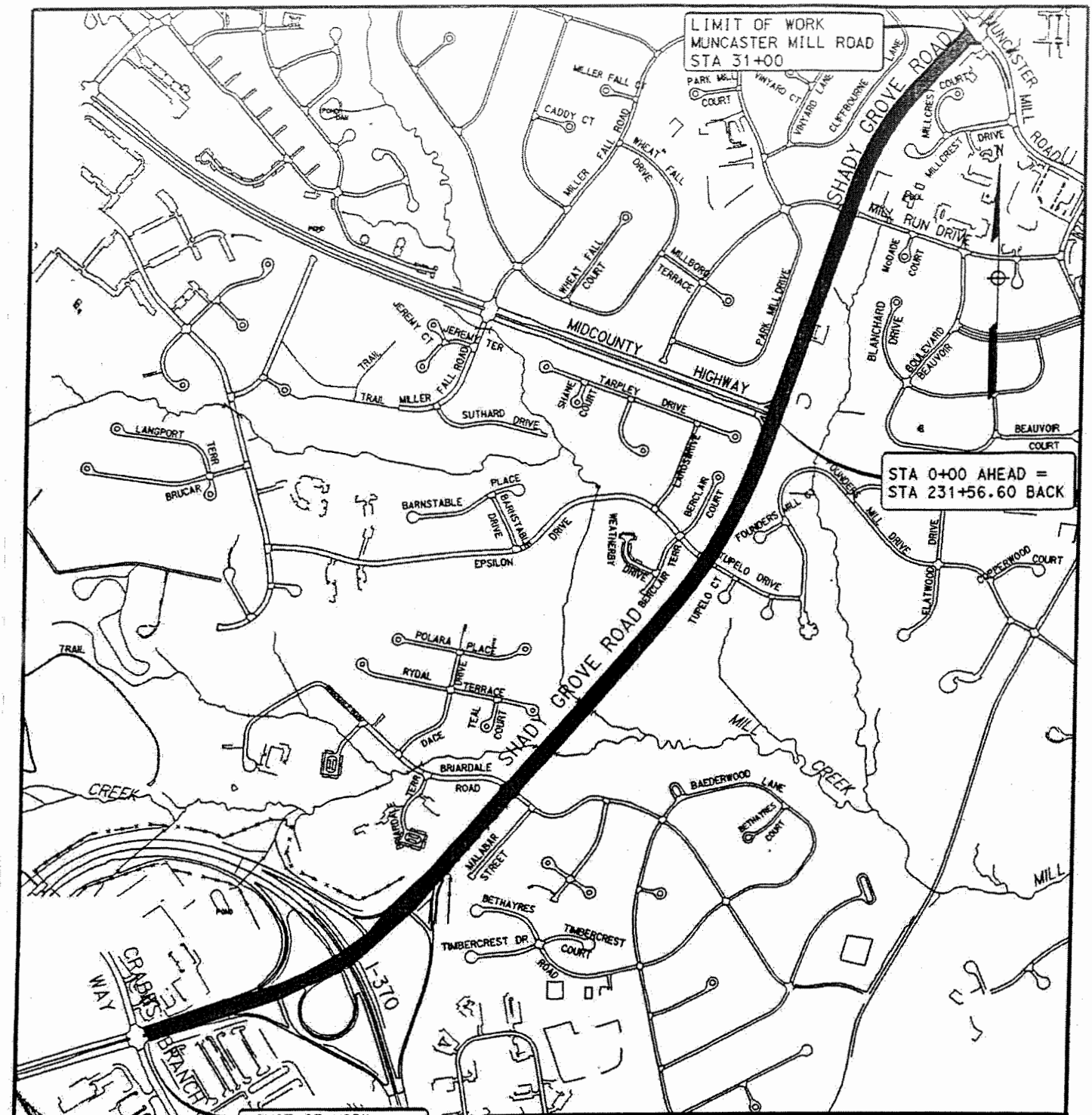
Feasibility Criteria

- The barrier can be built to provide an insertion loss of at least 7 dBA for the most seriously traffic-noise impacted receptors.
- The barrier can be built without either unduly restricting pedestrian or vehicular access, or interfering with safe sight distances for motorists.
- Any right-of-way required for the construction and maintenance of the barrier must either be dedicated to the County at no cost or the County is granted permanent easement.

Reasonableness Criteria

- The measured or projected sound level must equal or exceed 67 dBA.
- The barrier will not result in undue negative impacts on the environment or historical resources.
- The County costs to install the barrier will not exceed $50,000 per benefited receptor (where benefited receptors are considered to be the owners of those dwellings which are impacted and will enjoy a barrier insertion loss of at least 3 dBA).
- The barrier designs, and payment responsibility, if any, are approved by the benefited property owners.

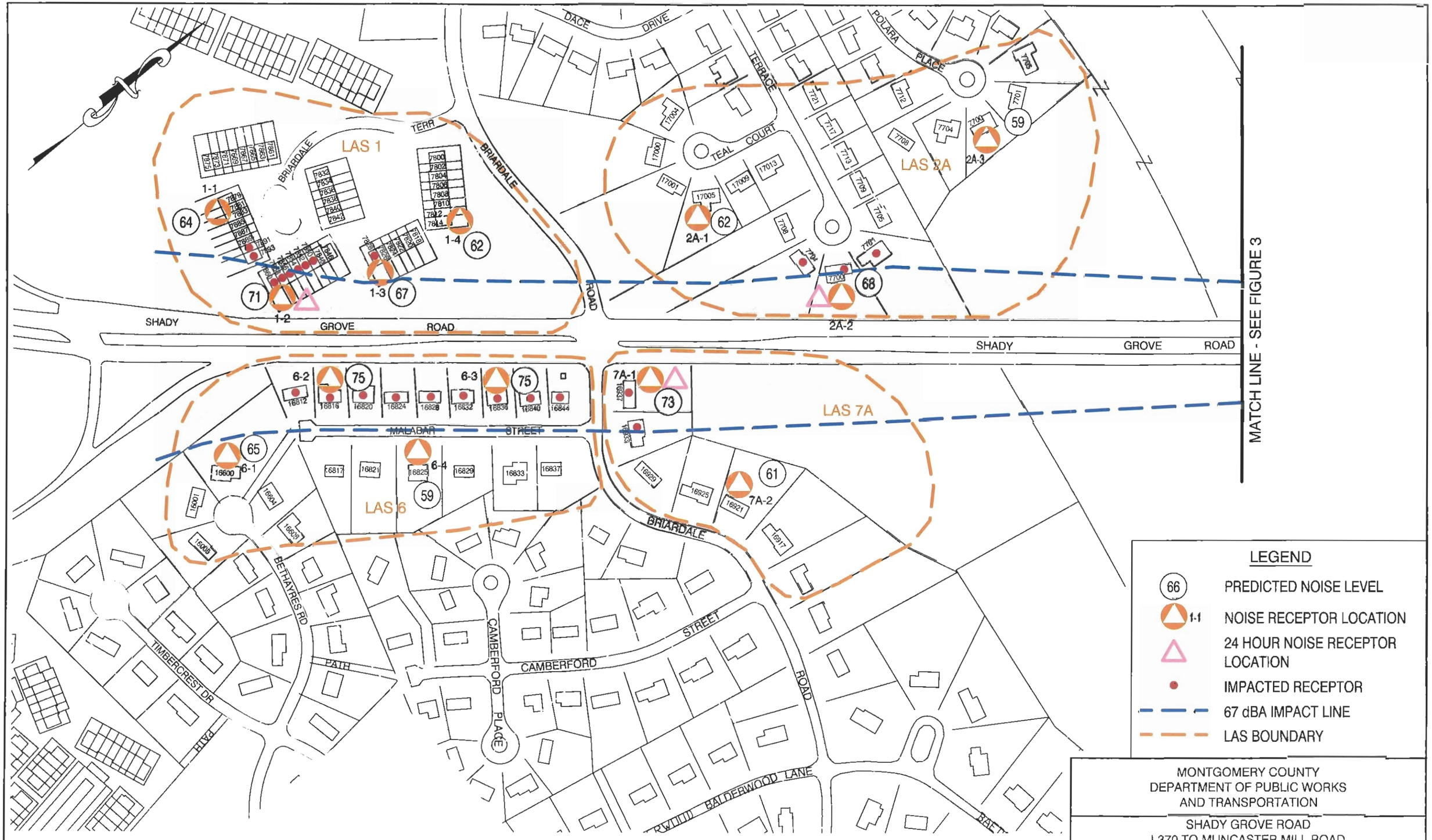
The study results indicate that based on existing and LOS D traffic volumes the 67 dBA (Leq) threshold is exceeded at all twelve LAS's. However, mitigation is only warranted at seven of these locations. South of Mid-County Highway, Shady Grove Road will operate at LOS D within a 20-year timeframe. Therefore analyses for this area is based on the LOS D traffic volumes. The portion of Shady Grove Road north of Mid-County Highway will not reach LOS D volumes within 20 years; therefore only current volumes were used to determine impacts for this area. Where impacts are present north of Midcounty Highway, 20-year traffic volumes will be used for barrier design.



SHADY GROVE ROAD NOISE STUDY PLAN

VICINITY MAP

DATE	SCALE	FIGURE
JULY, 2005	1"=1000'	2.1



LEGEND

- (66) PREDICTED NOISE LEVEL
- 1-1 NOISE RECEPTOR LOCATION
- △ 24 HOUR NOISE RECEPTOR LOCATION
- ● IMPACTED RECEPTOR
- 67 dBA IMPACT LINE
- LAS BOUNDARY

NOTES:

1. PREDICTED NOISE LEVELS SOUTH OF MIDCOUNTY HIGHWAY ARE BASED ON LOS-D TRAFFIC VOLUMES.
2. PREDICTED NOISE LEVELS NORTH OF MIDCOUNTY HIGHWAY ARE BASED ON CURRENT (2005) TRAFFIC VOLUMES.

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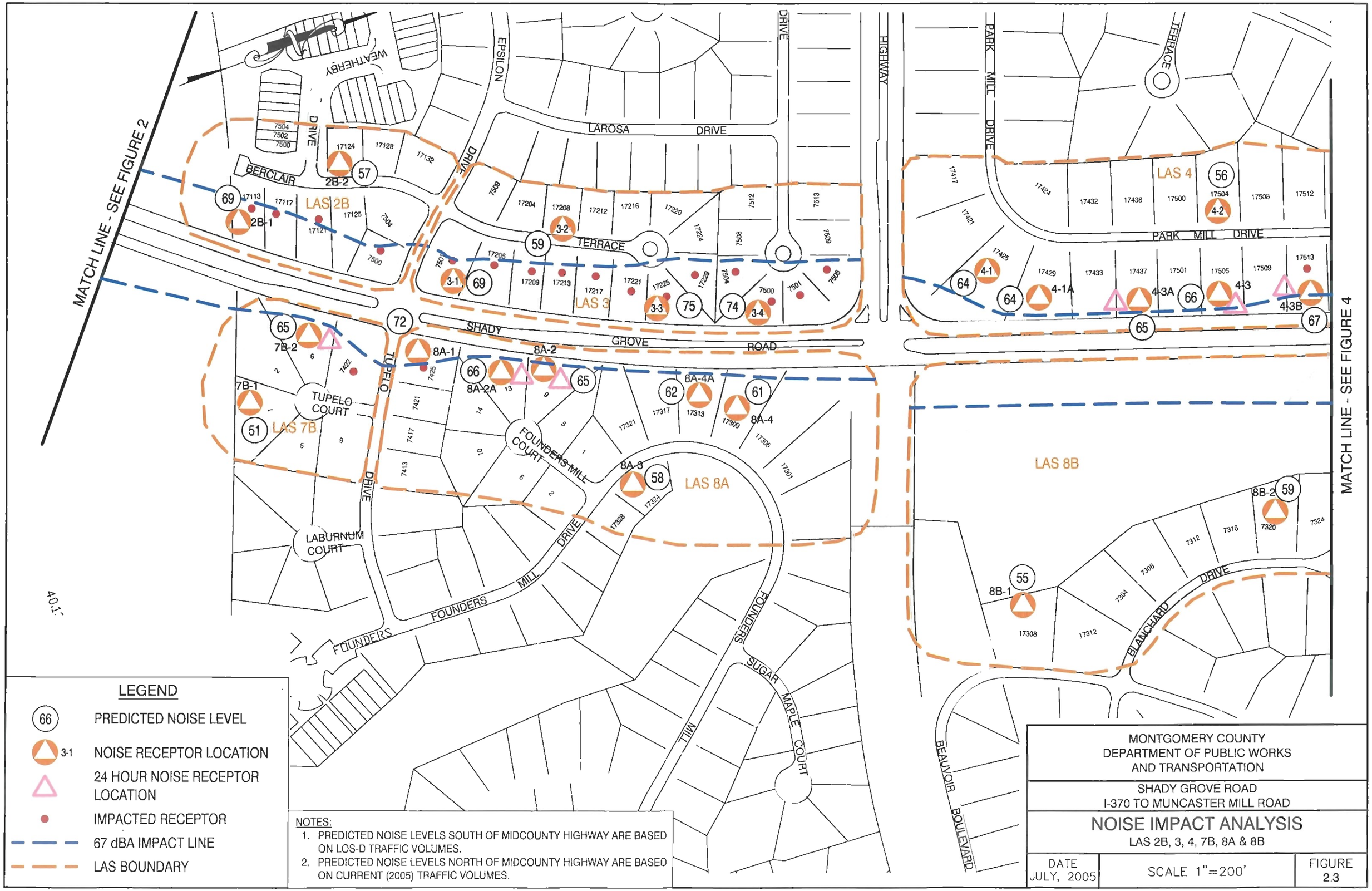
SHADY GROVE ROAD
I-370 TO MUNCASTER MILL ROAD

NOISE IMPACT ANALYSIS

LAS 1, 2A, 6 & 7A

DATE	SCALE	FIGURE
JULY, 2005	1"=200'	2.2



LEGEND

- (66) PREDICTED NOISE LEVEL
- 3-1 NOISE RECEPTOR LOCATION
- 24 HOUR NOISE RECEPTOR LOCATION
- IMPACTED RECEPTOR
- 67 dBA IMPACT LINE
- LAS BOUNDARY

NOTES:

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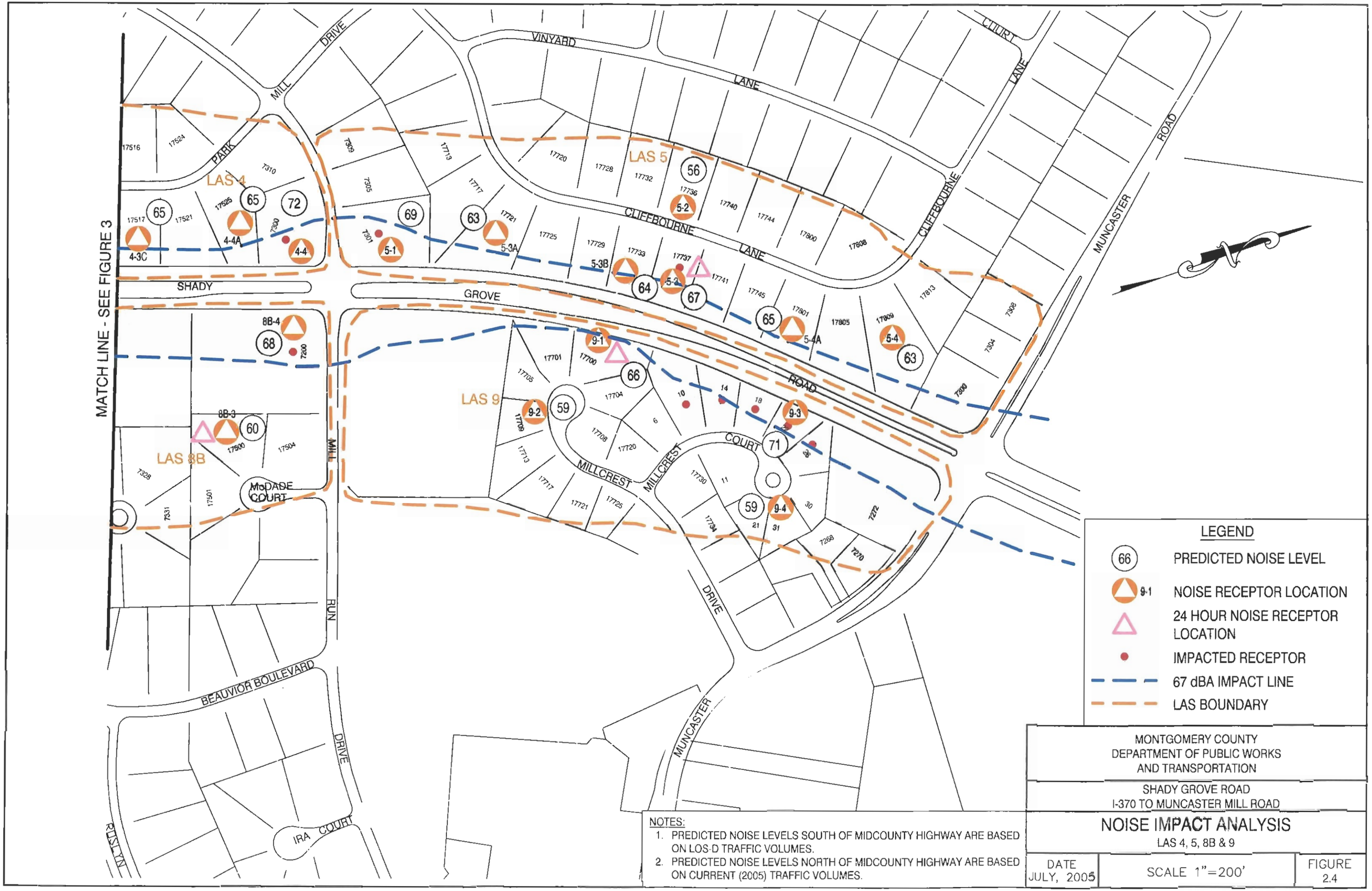
SHADY GROVE ROAD
I-370 TO MUNCASTER MILL ROAD

NOISE IMPACT ANALYSIS

LAS 2B, 3, 4, 7B, 8A & 8B

DATE	SCALE	FIGURE
JULY, 2005	1"=200'	2.3


MATCH LINE - SEE FIGURE 3
LAS 4
LAS 5
LAS 8B
LAS 9
MILL DRIVE
PARK
VINYARD LANE
CLIFFBOURNE LANE
CLIFFBOURNE COURT
MUNCASTER ROAD
SHADY GROVE ROAD
MILLCREST COURT
MILLCREST DRIVE
MUNCASTER MILL ROAD
McDADE COURT
BEAUVIOR BOULEVARD
RUSLYN DRIVE
IRA COURT
4-3C
4-4A
4-4
5-1
5-3A
5-3B
5-2
5-4A
5-4
8B-4
8B-3
9-1
9-2
9-3
9-4
LEGEND
PREDICTED NOISE LEVEL
NOISE RECEPTOR LOCATION
24 HOUR NOISE RECEPTOR LOCATION
IMPACTED RECEPTOR
67 dBA IMPACT LINE
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SHADY GROVE ROAD
I-370 TO MUNCASTER MILL ROAD
NOISE IMPACT ANALYSIS
LAS 4, 5, 8B & 9
DATE
JULY, 2005
SCALE 1"=200'
FIGURE
2.4

LEGEND

- PREDICTED NOISE LEVEL / NOISE LEVEL WITH BARRIER / INSERTION LOSS
- NOISE RECEPTOR LOCATION
- 24 HOUR NOISE RECEPTOR LOCATION
- IMPACTED AND BENEFITED
- BARRIER
- LAS BOUNDARY

NOTES:

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2. PREDICTED NOISE LEVELS NORTH OF MIDCOUNTY HIGHWAY ARE BASED ON 20-YEAR (2025) TRAFFIC VOLUMES.

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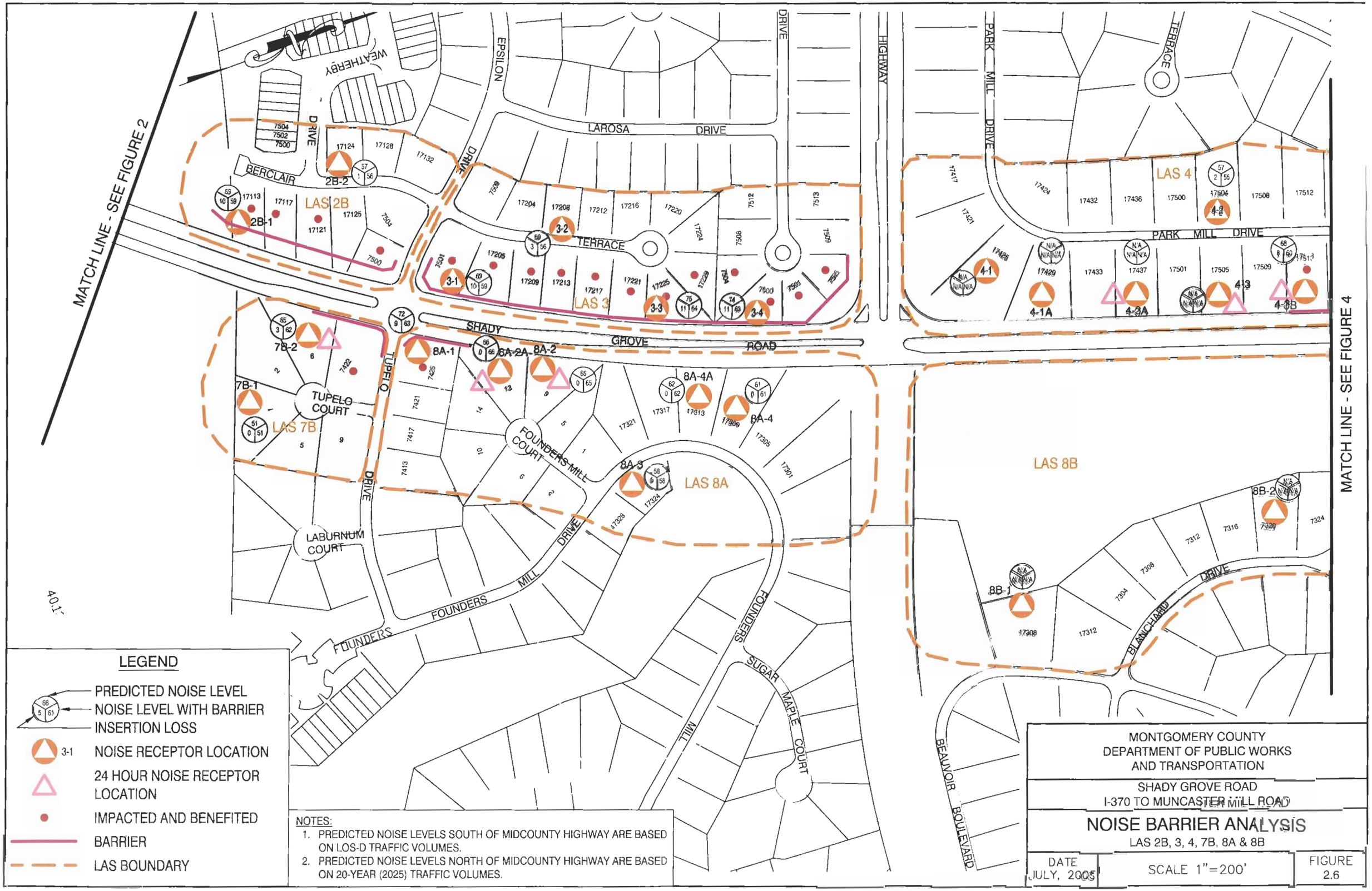
SHADY GROVE ROAD
I-370 TO MUNCASTER MILL ROAD

NOISE BARRIER ANALYSIS

LAS 1, 2A, 6 & 7A

DATE	SCALE	FIGURE
JULY, 2005	1"=200'	2.5



LEGEND

- PREDICTED NOISE LEVEL / NOISE LEVEL WITH BARRIER INSERTION LOSS
- 3-1 NOISE RECEPTOR LOCATION
- 24 HOUR NOISE RECEPTOR LOCATION
- IMPACTED AND BENEFITED
- BARRIER
- LAS BOUNDARY

NOTES:

1. PREDICTED NOISE LEVELS SOUTH OF MIDCOUNTY HIGHWAY ARE BASED ON LOS-D TRAFFIC VOLUMES.
2. PREDICTED NOISE LEVELS NORTH OF MIDCOUNTY HIGHWAY ARE BASED ON 20-YEAR (2025) TRAFFIC VOLUMES.

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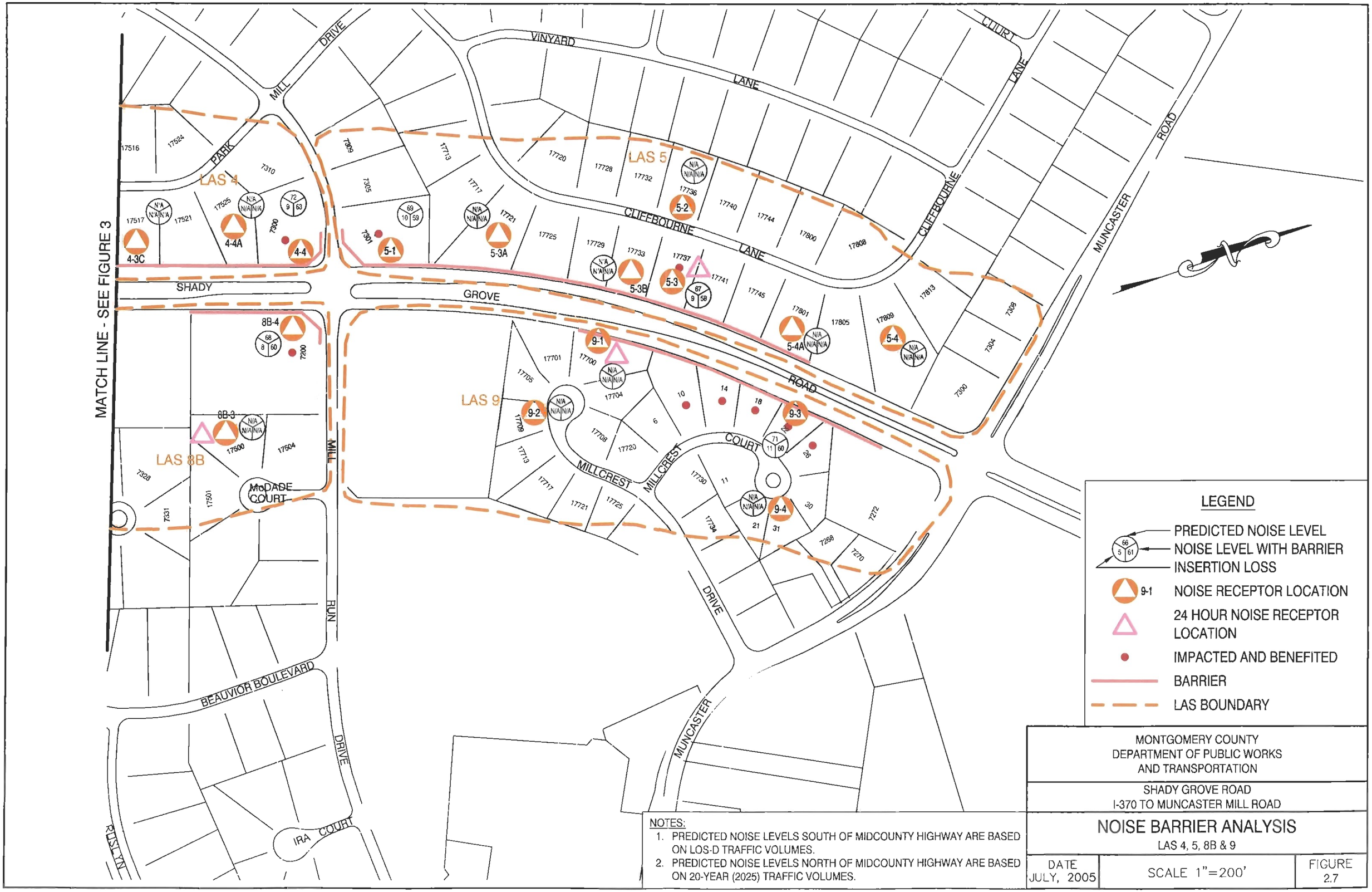
NOISE BARRIER ANALYSIS

LAS 2B, 3, 4, 7B, 8A & 8B

DATE	SCALE	FIGURE
JULY, 2005	1"=200'	2.6


MATCH LINE - SEE FIGURE 3
LAS 4
LAS 5
LAS 8B
LAS 9
MILL DRIVE
PARK
VINYARD LANE
CLIFFBOURNE LANE
CLIFFBOURNE COURT
MUNCASTER ROAD
SHADY GROVE ROAD
MILL RUN
MILLCREST COURT
MILLCREST DRIVE
MoDADE COURT
BEAUVIOR BOULEVARD
RUSLYN DRIVE
IRA COURT
MUNCASTER MILL DRIVE
4-3C
4-4A
4-4
5-1
5-3A
5-2
5-3B
5-3
5-4A
5-4
8B-4
8B-3
9-1
9-2
9-3
9-4
LEGEND
PREDICTED NOISE LEVEL
NOISE LEVEL WITH BARRIER
INSERTION LOSS
NOISE RECEPTOR LOCATION
24 HOUR NOISE RECEPTOR LOCATION
IMPACTED AND BENEFITED
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MONTGOMERY COUNTY
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SHADY GROVE ROAD
I-370 TO MUNCASTER MILL ROAD
NOISE BARRIER ANALYSIS
LAS 4, 5, 8B & 9
DATE
JULY, 2005
SCALE 1"=200'
FIGURE
2.7

Description of Logical Analysis Segments

A total of twelve Logical Analysis Segments (LAS) were identified within the study area. Forty-one receptor sites were selected to best reflect the existing and future noise environment as shown in Table 1. Property owners who own homes built less than ten years ago or after the Master Plan for Shady Grove Road was adopted and approved will be required to contribute ten percent of the cost of the noise barrier up to the first $50,000, and all costs beyond $50,000 will be fully covered by the benefited property owners.

Ambient Noise Measurements

In acoustical studies, measurement of the ambient noise levels is required to establish the basis of impact analysis. At each of the forty-one receptor sites, 20-minute measurements were taken for model calibration, and at twelve of the receptor sites, 24-hour ambient noise measurements were also taken. An adjusted peak ambient noise level was developed at each receptor using the data collected during these 24-hour measurement sessions and the ambient noise levels recorded are as shown in Table 2. Adjusted peak ambient noise levels are calculated by first taking one 24-hour measurement for each LAS throughout the study area to determine the peak noise hour. The peak noise level for each 24-hour measurement is then compared to the noise level at the time of day when the 20-minute readings within the LAS were taken. The difference between these numbers establishes an adjustment factor for each LAS; which is then added to the rest of the receptors within each LAS to obtain adjusted peak ambient noise levels for each receptor. The adjusted level represents the peak noise level at each receptor to be expected during a 24-hour period. The ambient measurements were taken in November 2004, December 2004, and June 2005, using ANSI type 2 integrating sound level meters, Model DB308, manufactured by Metrosonics, Inc. During the 20-minute ambient monitoring sessions, classified traffic counts were also made in order to calibrate the noise model.

TABLE 1: LOGICAL ANALYSIS SEGMENTS

LAS	DESCRIPTION	NUMBER OF RECEPTOR SITES
1	Multi family townhouses west of Shady Grove Road between I-370 and Briardale Road.	4
2A	Single family residences west of Shady Grove Road north of Briardale Road	3
2B	Single family residences and townhouses west of Shady Grove Road south of Epsilon Drive	2
3	Single family residences west of Shady Grove Road between Epsilon Drive and Midcounty Highway.	4
4	Single family residences west of Shady Grove Road between Midcounty Highway and Mill Run Dive.	9
5	Single family residences west of Shady Grove Road between Mill Run Dive and Muncaster Mill Road.	7
6	Single family residences east of Shady Grove Road between I-370 and Briardale Road.	4
7A	Single family residences east of Shady Grove Road north of Briardale Road.	2
7B	Single family residences east of Shady Grove Road south of Tupelo Drive.	2
8A	Single family residences east of Shady Grove Road north of Tupelo Drive	6
8B	Single family residences east of Shady Grove Road South of Mill Run Drive	4
9	Single family residences east of Shady Grove Road between Mill Run Dive and Muncaster Mill Road	4

TABLE 2: AMBIENT NOISE MEASUREMENTS

LAS	RECEIVER	ADDRESS	DESCRIPTION	DATE START TIME[2]	FIELD AMBIENT[3]	ADJ. PEAK AMBIENT[4]
1	1-1	7883 Briardale Terrace	Multiple Family	11-23-2004 10:37am	62	64
	1-2[1]	7860 Briardale Terrace	Multiple Family	11-23-2004 10:37am	67	69
	1-3	7828 Briardale Terrace	Multiple Family	11-23-2004 10:37am	63	65
	1-4	7814 Briardale Terrace	Multiple Family	11-23-2004 10:37am	59	61
2A	2A-1	17005 Teal Court	Single Family	11-23-2004 2:02pm	59	62
	2A-2[1]	7700 Rydal Terrace	Single Family	11-23-2004 2:02pm	64	68
	2A-3	7700 Polara Place	Single Family	11-23-2004 2:02pm	56	59
2B	2B-1	17113 Berclair Terrace	Single Family	11-23-2004 2:56pm	66	66
	2B-2	17124 Berclair Terrace	Single Family	11-23-2004 2:56pm	55	55
3	3-1	7501 Epsilon Drive	Single Family	11-23-2004 2:56pm	67	68
	3-2	17208 Berclair Terrace	Single Family	11-23-2004 2:56pm	58	59
	3-3	17225 Berclair Terrace	Single Family	12-9-2004 9:31am	73	73
	3-4	7500 Tarpley Drive	Single Family	12-9-2004 10:37am	70	70

[1] 24-hour field ambient noise measurement receptor.

[2] Date and start time of short-term noise measurements.

[3] Field Ambient Noise Measurement, taken at short-term receptor sites.

[4] Adjusted Peak Ambient Noise Levels are developed using data collected during the 24-hour field ambient noise level measurements.

LAS	RECEIVER	ADDRESS	DESCRIPTION	DATE START TIME[2]	FIELD AMBIENT[3]	ADJ. PEAK AMBIENT[4]
4	4-1	17425 Park Mill Drive	Single Family	12-9-2004 10:37am	63	64
	4-1A	17429 Park Mill Drive	Single Family	6-1-2005 12:59pm	63	64
	4-2	14504 Park Mill Drive	Single Family	12-9-2004 11:41am	57	59
	4-3[1]	17505 Park Mill Drive	Single Family	12-9-2004 11:41am	65	66
	4-3A[1]	17437 Park Mill Drive	Single Family	6-1-2005 12:59pm	64	66
	4-3B[1]	17513 Park Mill Drive	Single Family	6-1-2005 11:25am	65	67
	4-3C	17517 Park Mill Drive	Single Family	6-1-2005 11:25am	62	64
	4-4	7300 Mill Run Drive	Single Family	12-15-2004 2:06pm	68	70
	4-4A	17525 Park Mill Drive	Single Family	6-1-2005 11:25am	63	65
5	5-1	7301 Mill Run Drive	Single Family	12-9-2004 11:41am	71	73
	5-2	17736 Cliffbourne Lane	Single Family	6-1-2005 10:47am	53	55
	5-3[1]	17737 Cliffborne Lane	Single Family	6-1-2005 10:47am	64	66
	5-3A	17721 Cliffborne Lane	Single Family	6-1-2005 10:47am	63	65
	5-3B	17733 Cliffborne Lane	Single Family	6-1-2005 11:25am	63	64
	5-4	17809 Cliffbourne Lane	Single Family	12-15-2004 2:06pm	57	59
	5-4A	17801 Cliffborne Lane	Single Family	6-1-2005 10:47am	63	65

[1] 24-hour field ambient noise measurement receptor.

[2] Date and start time of short-term noise measurements.

[3] Field Ambient Noise Measurement, taken at short-term receptor sites.

[4] Adjusted Peak Ambient Noise Levels are developed using data collected during the 24-hour field ambient noise level measurements.

LAS	RECEIVER	ADDRESS	DESCRIPTION	DATE START TIME[2]	FIELD AMBIENT[3]	ADJ. PEAK AMBIENT[4]
6	6-1	16600 Bethayres Road	Single Family	11-23-2004 11:51am	62	63
	6-2	16816 Malabar Street	Single Family	11-23-2004 11:51am	71	72
	6-3	16836 Malabar Street	Single Family	11-23-2004 11:51am	71	72
	6-4	16825 Malabar Street	Single Family	11-23-2004 11:51am	57	58
7A	7A-1[1]	16937 Briardale Road	Single Family	11-23-2004 1:08pm	70	72
	7A-2	16921 Briardale Road	Single Family	11-23-2004 1:08pm	58	59
7B	7B-1	1 Tupelo Court	Single Family	11-23-2004 1:08pm	50	51
	7B-2[1]	6 Tupelo Court	Single Family	11-23-2004 1:08pm	63	64
8A	8A-1	7425 Tupelo Drive	Single Family	12-9-2004 9:31am	68	68
	8A-2[1]	9 Founders Mill Court	Single Family	12-9-2004 9:31am	62	63
	8A-2A[1]	13 Founders Mill Court	Single Family	6-1-2005 12:59pm	65	65
	8A-3	17324 Founders Mill Drive	Single Family	12-9-2004 9:31am	55	55
	8A-4	17309 Founders Mill Drive	Single Family	12-9-2004 10:37am	59	59
	8A-4A	17313 Founders Mill Drive	Single Family	6-1-2005 12:59pm	60	61

[1] 24-hour field ambient noise measurement receptor.

[2] Date and start time of short-term noise measurements.

[3] Field Ambient Noise Measurement, taken at short-term receptor sites.

[4] Adjusted Peak Ambient Noise Levels are developed using data collected during the 24-hour field ambient noise level measurements.

LAS	RECEIVER	ADDRESS	DESCRIPTION	DATE START TIME[2]	FIELD AMBIENT[3]	ADJ. PEAK AMBIENT[4]
8B	8B-1	17308 Beauvior Boulevard	Single Family	12-9-2004 10:37am	52	55
	8B-2	7320 Blanchard Drive	Single Family	12-9-2004 12:23pm	60	63
	8B-3[1]	17500 McDade Court	Single Family	12-9-2004 12:23pm	59	62
	8B-4	7200 Mill Run Drive	Single Family	12-9-2004 12:23pm	67	70
9	9-1[1]	17700 Mill Crest Drive	Single Family	12-15-2004 1:01pm	64	65
	9-2	17709 Mill Crest Drive	Single Family	12-15-2004 1:01pm	56	57
	9-3	22 Mill Crest Court	Single Family	12-15-2004 1:01pm	70	71
	9-4	31 Mill Crest Court	Single Family	12-15-2004 1:01pm	56	57

[1] 24-hour field ambient noise measurement receptor.

[2] Date and start time of short-term noise measurements.

[3] Field Ambient Noise Measurement, taken at short-term receptor sites.

[4] Adjusted Peak Ambient Noise Levels are developed using data collected during the 24-hour field ambient noise level measurements.

Traffic Parameters

Future traffic volumes for Shady Grove Road were provided by SHA. The projected AM peak hour traffic volumes were used to model predicted future noise levels at homes on the west side of Shady Grove Road, and PM peak hour traffic volumes were used to model predicted future noise levels at homes on the east side of Shady Grove Road. The traffic was divided into three classifications to analyze the noise levels. The percentage of each classification utilized in the model is 94.5% automobile, 3.5% medium trucks and 2.0% heavy trucks. Refer to the Appendix A for traffic data.

Based on the anticipated traffic volumes, Shady Grove Road south of Midcounty Highway will reach LOS D within a 20-year timeframe (5-9 years) Therefore, both impact analysis and sound barrier design for LAS south of Midcounty Highway will be based on noise levels determined using LOS D traffic volumes. Shady Grove Road north of Midcounty Highway will not reach LOS D within 20 years. Therefore, the impact analysis north of Midcounty Highway is based on noise levels using current (2005) traffic volumes; however, sound barrier design for this area is based on noise levels using 20 year (2025) traffic volumes.

Noise Modeling Procedures

The Federal Highway Administration of the U.S. Department of Transportation developed the method used to model noise levels. The computer model derived from this method, called TNM, utilizes a reference sound level for five classes of vehicles (autos, medium duty trucks, heavy duty trucks, buses, and motorcycles) and applies a series of adjustments to each reference level to arrive at the predicted sound level. Features of TNM include:

- Expanded vehicle types including buses and motorcycles,
- Enhanced vehicle emission level database (in 1/3 octave bands),
- New Vehicle source heights, and
- New Algorithms that properly deal with the complex effects of sound propagation and attenuation.

Classified traffic counts were taken at measured receptor sites to provide data for calibration of the TNM noise prediction model. In order to assure site-specific model calibration, existing counted traffic and speeds combined with the existing topographic and roadway alignment data were input into the computer model; and the resulting noise levels are compared to measured ambient levels. If the difference between these two was greater than 3 dBA, the model revisions or additional measurements were made. Calibration results are shown in Table 3. However, care should be used when comparing computed noise levels, either current or future, to measured noise levels. Several factors can account for the allowable 3 dBA calibration difference. Measured noise levels may include minor non-traffic noise levels, and the noise emissions from actual vehicles on the roadways may be slightly different from those used in the TNM model.

TABLE 3: MODEL CALIBRATION

LAS	RECEIVER	ADDRESS	FIELD MEASURED	CALIBRATED TNM VALUES	DIFFERENCE PRED. – MEAS.
1	1-1	7883 Briardale Terrace	62	60	-2
	1-2	7860 Briardale Terrace	67	69	2
	1-3	7828 Briardale Terrace	63	65	2
	1-4	7814 Briardale Terrace	59	58	-1
2A	2A-1	17005 Teal Court	59	61	2
	2A-2	7700 Rydal Terrace	64	67	3
	2A-3	7700 Polara Place	56	55	-1
2B	2B-1	17113 Berclair Terrace	66	67	1
	2B-2	17124 Berclair Terrace	55	56	1
3	3-1	7501 Epsilon Drive	67	68	1
	3-2	17208 Berclair Terrace	58	58	0
	3-3	17225 Berclair Terrace	73	71	-2
	3-4	7500 Tarpley Drive	70	70	0
4	4-1	17425 Park Mill Drive	63	63	0
	4-1A	17429 Park Mill Drive	63	63	0
	4-2	17504 Park Mill Drive	57	57	0
	4-3	17505 Park Mill Drive	65	66	1
	4-3A	17437 Park Mill Drive	64	65	1
	4-3B	17513 Park Mill Drive	65	66	1
	4-3C	17517 Park Mill Drive	62	64	2
	4-4	7300 Mill Run Drive	68	69	1
	4-4A	17525 Park Mill Drive	63	63	0
5	5-1	7301 Mill Run Drive	71	68	-3
	5-2	17736 Cliffbourne Lane	53	55	2
	5-3	17737 Cliffbourne Lane	64	65	1
	5-3A	17721 Cliffborne Lane	63	63	0
	5-3B	17733 Cliffborne Lane	63	63	0
	5-4	17809 Cliffbourne Lane	57	60	3
	5-4A	17801 Cliffborne Lane	63	64	1

TABLE 3: MODEL CALIBRATION (continued)

6	6-1	16600 Bethayres Road	62	63	1
	6-2	16816 Malabar Street	71	68	-3
	6-3	16836 Malabar Street	71	68	-3
	6-4	16825 Malabar Street	57	59	2
7A	7A-1	16937 Briardale Road	70	70	0
	7A-2	16921 Briardale Road	58	58	0
7B	7B-1	1 Tupelo Court	50	53	3
	7B-2	6 Tupelo Court	63	64	1
8A	8A-1	7425 Tupelo Drive	68	70	2
	8A-2	9 Founders Mill Court	62	62	0
	8A-2A	13 Founders Mill Court	65	63	-2
	8A-3	17324 Founders Mill Drive	55	55	0
	8A-4	17309 Founders Mill Drive	59	58	-1
	8A-4A	17313 Founders Mill Drive	60	59	-1
8B	8B-1	17308 Beauvior Boulevard	52	52	0
	8B-2	7320 Blanchard Drive	60	58	-2
	8B-3	17500 McDade Court	59	59	0
	8B-4	7200 Mill Run Drive	67	68	1
9	9-1	17700 Mill Crest Drive	63	65	2
	9-2	17709 Mill Crest Drive	56	57	1
	9-3	22 Mill Crest Court	68	68	0
	9-4	31 Mill Crest Court	59	58	-1

Impact Assessment

The determination of traffic noise impacts is based on the relationship between the ambient noise levels, the predicted peak traffic noise levels and the established noise abatement criteria in the project area. The effects of noise in the project area are judged in accordance with the current Montgomery County Noise Abatement Policy dated October 2001. Mitigation measures were investigated where the peak noise levels equaled or exceeded the 67 dBA Montgomery County Noise Abatement Criterion for residential areas; either for existing traffic volumes, or for LOS D traffic if LOS D is expected to occur within 20 years. Where mitigation is warranted, additional criteria were examined to determine if mitigation is feasible and reasonable.

Economic assessment is based on the following assumptions: An effective barrier should, in general, extend in both directions four times the distance between receiver and the roadway and provide a 7 to 10 dBA reduction in the noise levels at first row receptors. The effective barrier height was considered to be the height at which this reduction was achieved. A second consideration was that the barriers block the line of sight to all vehicles from every location. The cost per residence is determined by dividing the barrier cost by the number of impacted and benefited residences. A unit cost of $32.00 per square foot is used to determine the cost of a barrier when evaluating economic feasibility. An impacted residence is considered benefited when the peak noise level equals or exceeds criteria and it experiences a minimum 3 dBA reduction in noise with mitigation.

Mitigation Measures

Several types of barriers including reflective walls or absorptive berms can be used to reduce noise levels at sensitive receptors. Berms can be effective and practical where right of way is not restricted and development is set back a considerable distance from the highway. Only wall barriers were analyzed in this study since the study area generally consists of residential developments adjacent to Shady Grove Road. When barriers are constructed, reflective walls are generally used. Absorptive walls can be used where reflective barriers would exacerbate noise levels on the opposite side of the roadway. Due to the residential nature of the study area with impacted residences on both sides of the roadway, the narrow cross section of the roadway, and the existence of parallel barriers, absorptive barriers will be considered if the analyzed barriers proceed to final design.

Logical Analysis Segments – Impact/Mitigation Analysis

Following is a summary of the noise levels for each Logical Assessment Area.

Logical Analysis Segment 1

LAS 1 consists of multiple family townhouses (Rec. 1-1, 1-2, 1-3, and 1-4) between I-370 and Briardale Road on the west side of Shady Grove Road, for a total of 44 residences. This area is south of Midcounty Highway and LOS D will be reached within 5-9 years and the peak predicted noise level is 71 dBA. Because this level is greater than 67 dBA mitigation is warranted.

TABLE 4: PREDICTED NOISE LEVEL SUMMARY – LAS 1

Receptor	Adj. Peak Ambient	Predicted LOS-D Noise Level	Change Over Ambient
7893 Briardale Terrace	N/A[1]	**68**	N/A[1]
7891 Briardale Terrace	N/A[1]	**67**	N/A[1]
7883 Briardale Terrace (Rec. 1-1)	64	64	0
7860 Briardale Terrace (Rec. 1-2)	**69**	**71**	2
7858 Briardale Terrace	N/A[1]	**70**	N/A[1]
7856 Briardale Terrace	N/A[1]	**69**	N/A[1]
7854 Briardale Terrace	N/A[1]	**68**	N/A[1]
7852 Briardale Terrace	N/A[1]	**67**	N/A[1]
7850 Briardale Terrace	N/A[1]	**67**	N/A[1]
7828 Briardale Terrace (Rec. 1-3)	65	**67**	2
7826 Briardale Terrace	N/A[1]	66	N/A[1]
7814 Briardale Terrace (Rec. 1-4)	61	62	1

[1]These locations were added to increase the accuracy of the noise modeling. Field Measurements were not taken at these locations.

To protect the residences of LAS 1 a noise barrier with a total length of 840 feet and an average height of 12.2 feet, constructed at a cost of $329,120 would reduce noise levels by up to 12 dBA. The cost per benefited residence is $36,569 for the 9 impacted residences benefited; therefore, this LAS meets criteria for further consideration of a barrier.

TABLE 5: PROPOSED BARRIER SUMMARY – LAS 1

Length (ft)	840	**Total Residences Benefited**	9
Area (sq ft)	10,285		
Avg. Ht. (ft)	12.2		
Insertion Loss	9-12 dBA	**Cost Per Benefited Residence**	$36,569
Total Cost	$329,120		

Logical Analysis Segment 2A

LAS 2A consists of single family homes (Rec. 2A-1, 2A-2, and 2A-3) just north of Briardale Road on the west side of Shady Grove Road, for a total of 21 residences. This area is south of Midcounty Highway and LOS D will be reached within 5-9 years and the peak predicted noise level is 68 dBA. Because this level is greater than 67 dBA mitigation is warranted.

TABLE 6: PREDICTED NOISE LEVEL SUMMARY – LAS 2A

Receptor	Adj. Peak Ambient	Predicted LOS-D Noise Level	Change Over Ambient
17001 Teal Court	N/A[1]	61	N/A[1]
17005 Teal Court (Rec. 2A-1)	62	62	0
17009 Teal Court	N/A[1]	61	N/A[1]
17013 Teal Court	N/A[1]	60	N/A[1]
7700 Rydal Terrace (Rec. 2A-2)	**68**	**68**	0
7701 Rydal Terrace	N/A[1]	**67**	N/A[1]
7704 Rydal Terrace	N/A[1]	**68**	N/A[1]
7705 Rydal Terrace	N/A[1]	59	N/A[1]
7708 Rydal Terrace	N/A[1]	61	N/A[1]
7709 Rydal Terrace	N/A[1]	58	N/A[1]
7700 Polara Place (Rec. 2A-3)	59	59	0

[1]These locations were added to increase the accuracy of the noise modeling. Field Measurements were not taken at these locations.

To protect the residences of LAS 2A a noise barrier with a total length of 372 feet and an average height of 8.7 feet, constructed at a cost of $103,456 would reduce noise levels by up to 9 dBA. The cost per benefited residence is $34,485 for the 3 impacted residences benefited; therefore, this LAS meets criteria for further consideration of a barrier.

TABLE 7: PROPOSED BARRIER SUMMARY – LAS 2A

Length (ft)	372	**Total Residences Benefited**	3
Area (sq ft)	3,233		
Avg. Ht. (ft)	8.7		
Insertion Loss	8-9 dBA	**Cost Per Benefited Residence**	$34,485
Total Cost	$103,456		

Logical Analysis Segment 2B

LAS 2B consists of single family homes (Rec. 2B-1 and 2B-2) and multiple family townhouses just south of Epsilon Drive on the west side of Shady Grove Road, for a total of 14 residences. This area is south of Midcounty Highway and LOS D will be reached within 5-9 years and the peak predicted noise level is 73 dBA. Because this level is greater than 67 dBA mitigation is warranted.

TABLE 8: PREDICTED NOISE LEVEL SUMMARY – LAS 2B

Receptor	Adj. Peak Ambient	Predicted LOS-D Noise Level	Change Over Ambient
7500 Weatherby Drive	N/A[1]	57	N/A[1]
17113 Berclair Terrace (Rec. 2B-1)	66	**69**	3
17117 Berclair Terrace	N/A[1]	**69**	N/A[1]
17121 Berclair Terrace	N/A[1]	**70**	N/A[1]
17124 Berclair Terrace (Rec. 2B-2)	55	57	2
17125 Berclair Terrace	N/A[1]	66	N/A[1]
17128 Berclair Terrace	N/A[1]	57	N/A[1]
17132 Berclair Terrace	N/A[1]	59	N/A[1]
7500 Epsilon Drive	N/A[1]	**73**	N/A[1]
7504 Epsilon Drive	N/A[1]	65	N/A[1]

[1]These locations were added to increase the accuracy of the noise modeling. Field Measurements were not taken at these locations.

To protect the residences of LAS 2B a noise barrier with a total length of 498 feet and an average height of 8 feet, constructed at a cost of $127,488 would reduce noise levels by up to 10 dBA. The cost per benefited residence is $31,872 for the 4 impacted residences benefited; therefore, this LAS meets criteria for further consideration of a barrier.

TABLE 9: PROPOSED BARRIER SUMMARY – LAS 2B

Length (ft)	498	**Total Residences Benefited**	4
Area (sq ft)	3,984		
Avg. Ht. (ft)	8.0		
Insertion Loss	9-10 dBA	**Cost Per Benefited Residence**	$31,872
Total Cost	$127,488		

Logical Analysis Segment 3

LAS 3 consists of single family homes (Rec. 3-1, 3-2, 3-3, and 3-4) between Epsilon Drive and Midcounty Highway on the west side of Shady Grove Road, for a total of 24 residences. This area is south of Midcounty Highway and LOS D will be reached within 5-9 years. The peak predicted noise level is 75 dBA. Because this level is greater than 67 dBA mitigation is warranted.

TABLE 10: PREDICTED NOISE LEVEL SUMMARY – LAS 3

Receptor	Adj. Peak Ambient	Predicted LOS-D Noise Level	Change Over Ambient
7501 Epsilon Drive (Rec. 3-1)	**68**	**69**	1
17205 Berclair Terrace	N/A[1]	**70**	N/A[1]
17208 Berclair Terrace (Rec. 3-2)	59	59	0
17209 Berclair Terrace	N/A[1]	**70**	N/A[1]
17213 Berclair Terrace	N/A[1]	**70**	N/A[1]
17217 Berclair Terrace	N/A[1]	**71**	N/A[1]
17221 Berclair Terrace	N/A[1]	**74**	N/A[1]
17225 Berclair Terrace (Rec. 3-3)	**73**	**75**	2
17229 Berclair Terrace	N/A[1]	**69**	N/A[1]
7500 Tarpley Drive (Rec. 3-4)	**70**	**74**	4
7501 Tarpley Drive	N/A[1]	**73**	N/A[1]
7504 Tarpley Drive	N/A[1]	**69**	N/A[1]
7505 Tarpley Drive	N/A[1]	**70**	N/A[1]

[1]These locations were added to increase the accuracy of the noise modeling. Field Measurements were not taken at these locations.

To protect the residences of LAS 3 a noise barrier with a total length of 1,166 feet and an average height of 9.8 feet, constructed at a cost of $365,440 would reduce noise levels by up to 11 dBA. The cost per benefited residence is $30,453 for the 12 impacted residences benefited; therefore, this LAS meets criteria for further consideration of a barrier.

TABLE 11: PROPOSED BARRIER SUMMARY – LAS 3

Length (ft)	1,166	**Total Residences Benefited**	12
Area (sq ft)	11,420		
Avg. Ht. (ft)	9.8		
Insertion Loss	8-11 dBA	**Cost Per Benefited Residence**	$30,453
Total Cost	$365,440		

Logical Analysis Segment 4

LAS 4 consists of single family homes (Rec. 4-1, 4-2, 4-3, and 4-4) between Midcounty Highway and Mill Run Drive on the west side of Shady Grove Road, for a total of 26 residences. This area is north of Midcounty Highway and LOS D will not be reached within 20 years. The peak predicted noise level is 72 dBA. Because this level is greater than 67 dBA mitigation is warranted.

TABLE 12: PREDICTED NOISE LEVEL SUMMARY – LAS 4

Receptor	Adj. Peak Ambient	Predicted Peak 2005 Noise Level	Change Over Ambient
17425 Park Mill Drive (Rec. 4-1)	64	64	0
17429 Park Mill Drive (Rec. 4-1A)	64	64	0
17437 Park Mill Drive (Rec. 4-3A)	66	65	-1
17501 Park Mill Drive	N/A[1]	66	N/A[1]
17504 Park Mill Drive (Rec. 4-2)	59	56	-3
17505 Park Mill Drive (Rec. 4-3)	66	66	0
17509 Park Mill Drive	N/A[1]	65	N/A[1]
17513 Park Mill Drive (Rec. 4-3B)	**67**	**67**	0
17517 Park Mill Drive (Rec. 4-3C)	64	65	1
17521 Park Mill Drive	N/A[1]	66	N/A[1]
17525 Park Mill Drive (Rec. 4-4A)	65	65	0
7300 Mill Run Drive (Rec. 4-4)	**70**	**72**	2

[1]These locations were added to increase the accuracy of the noise modeling. Field Measurements were not taken at these locations.

To protect the residences of LAS 4 a noise barrier with a total length of 746 feet and an average height of 10.5 feet, constructed at a cost of $249,472 would reduce noise levels by up to 9 dBA. The cost per benefited residence is $124,736 for the 2 impacted residences benefited, therefore this LAS only meets criteria for further consideration of a barrier if each homeowner agrees to fully pay the additional $74,736 above the $50,000/residence limit.

TABLE 13: PROPOSED BARRIER SUMMARY – LAS 4

Length (ft)	746	**Total Residences Benefited**	2
Area (sq ft)	7,796		
Avg. Ht. (ft)	10.5		
Insertion Loss	8-9 dBA	**Cost Per Benefited Residence**	$124,736
Total Cost	$249,472		

Logical Analysis Segment 5

LAS 5 consists of single family homes (Rec. 5-1, 5-2, 5-3, and 5-4) between Mill Run Drive and Muncaster Mill Road on the west side of Shady Grove Road, for a total of 27 residences. This area is north of Midcounty Highway and LOS D will not be reached within 20 years. The peak predicted noise level is 69 dBA. Because this level is greater than 67 dBA mitigation is warranted.

TABLE 14: PREDICTED NOISE LEVEL SUMMARY – LAS 5

Receptor	Adj. Peak Ambient	Predicted Peak 2005 Noise Level	Change Over Ambient
7301 Mill Run Drive (Rec. 5-1)	**73**	**69**	-4
17721 Cliffbourne Lane (Rec. 5-3A)	65	63	-2
17725 Cliffbourne Lane	N/A[1]	64	N/A[1]
17729 Cliffbourne Lane	N/A[1]	64	N/A[1]
17733 Cliffbourne Lane (Rec. 5-3B)	64	64	0
17736 Cliffbourne Lane (Rec. 5-2)	55	56	1
17737 Cliffbourne Lane (Rec. 5-3)	66	**67**	1
17741 Cliffbourne Lane	N/A[1]	63	N/A[1]
17745 Cliffbourne Lane	N/A[1]	63	N/A[1]
17801 Cliffbourne Lane (Rec. 5-4A)	65	65	0
17805 Cliffbourne Lane	N/A[1]	65	N/A[1]
17809 Cliffbourne Lane (Rec. 5-4)	59	63	4

[1]These locations were added to increase the accuracy of the noise modeling. Field Measurements were not taken at these locations.

To protect the residences of LAS 5 a noise barrier with a total length of 1,136 feet and an average height of 8.3 feet, constructed at a cost of $302,464 would reduce noise levels by up to 10 dBA. The cost per benefited residence is $151,232 for the 2 impacted residences benefited, therefore this LAS only meets criteria for further consideration of a barrier if each homeowner agrees to fully pay the additional $101,232 above the $50,000/residence limit.

TABLE 15: PROPOSED BARRIER SUMMARY – LAS 5

Length (ft)	1,136	**Total Residences Benefited**	2
Area (sq ft)	9,452		
Avg. Ht. (ft)	8.3		
Insertion Loss	9-10 dBA	**Cost Per Benefited Residence**	$151,232
Total Cost	$302,464		

Logical Analysis Segment 6

LAS 6 consists of single family homes (Rec. 6-1, 6-2, 6-3, and 6-4) between I-370 and Briardale Road on the east side of Shady Grove Road, for a total of 23 residences. This area is south of Midcounty Highway and LOS D will be reached within 5-9 years. The peak predicted noise level is 75 dBA. Because this level is greater than 67 dBA mitigation is warranted.

TABLE 16: PREDICTED NOISE LEVEL SUMMARY – LAS 6

Receptor	Adj. Peak Ambient	Predicted LOS-D Noise Level	Change Over Ambient
16600 Bethayres Road (Rec. 6-1)	63	65	2
16812 Malabar Street	N/A[1]	**75**	N/A[1]
16816 Malabar Street (Rec. 6-2)	**72**	**75**	3
16820 Malabar Street	N/A[1]	**75**	N/A[1]
16824 Malabar Street	N/A[1]	**75**	N/A[1]
16825 Malabar Street (Rec. 6-4)	58	59	1
16828 Malabar Street	N/A[1]	**75**	N/A[1]
16832 Malabar Street	N/A[1]	**75**	N/A[1]
16836 Malabar Street (Rec. 6-3)	**72**	**75**	3
16840 Malabar Street	N/A[1]	**75**	N/A[1]
16844 Malabar Street	N/A[1]	**75**	N/A[1]

[1]These locations were added to increase the accuracy of the noise modeling. Field Measurements were not taken at these locations.

To protect the residences of LAS 6 a noise barrier with a total length of 829 feet and an average height of 12.7 feet, constructed at a cost of $338,144 would reduce noise levels by up to 13 dBA. The cost per benefited residence is $37,572 for the 9 impacted residences benefited; therefore, this LAS meets criteria for further consideration of a barrier.

TABLE 17: PROPOSED BARRIER SUMMARY – LAS 6

Length (ft)	829	**Total Residences Benefited**	9
Area (sq ft)	10,567		
Avg. Ht. (ft)	12.7		
Insertion Loss	10-13 dBA	**Cost Per Benefited Residence**	$37,572
Total Cost	$338,144		

Logical Analysis Segment 7A

LAS 7A consists of single family homes (Rec. 7A-1 and 7A-2) just north of Briardale Road on the east side of Shady Grove Road, for a total of 7 residences. This area is south of Midcounty Highway and LOS D will be reached within 5-9 years. The peak predicted noise level is 73 dBA. Because this level is greater than 67 dBA mitigation is warranted.

TABLE 18: PREDICTED NOISE LEVEL SUMMARY – LAS 7A

Receptor	Adj. Peak Ambient	Predicted LOS-D Noise Level	Change Over Ambient
16937 Briardale Road (Rec. 7A-1)	**72**	**73**	1
16933 Briardale Road	N/A[1]	**67**	N/A[1]
16929 Briardale Road	N/A[1]	63	N/A[1]
16925 Briardale Road	N/A[1]	62	N/A[1]
16921 Briardale Road (Rec. 7A-2)	59	61	2
16917 Briardale Road	N/A[1]	59	N/A[1]
16913 Briardale Road	N/A[1]	57	N/A[1]

[1]These locations were added to increase the accuracy of the noise modeling. Field Measurements were not taken at these locations.

To protect the residences of LAS 7A a noise barrier with a total length of 371 feet and an average height of 11.8 feet, constructed at a cost of $139,712 would reduce noise levels by up to 10 dBA. The cost per benefited residence is $69,856 for the 2 impacted residences benefited; therefore this LAS only meets criteria for further consideration of a barrier if each homeowner agrees to fully pay the additional $19,856 above the $50,000/residence limit.

TABLE 19: PROPOSED BARRIER SUMMARY – LAS 7A

Length (ft)	371	**Total Residences Benefited**	2
Area (sq ft)	4,366		
Avg. Ht. (ft)	11.8		
Insertion Loss	6-10 dBA	**Cost Per Benefited Residence**	$69,856
Total Cost	$139,712		

Logical Analysis Segment 7B

LAS 7B consists of single family homes (Rec. 7B-1 and 7B-2) just south of Tupelo Drive on the east side of Shady Grove Road, for a total of 7 residences. This area is south of Midcounty Highway and LOS D will be reached within 5-9 years. The peak predicted noise level is 69 dBA. Because this level is greater than 67 dBA mitigation is warranted.

TABLE 20: PREDICTED NOISE LEVEL SUMMARY – LAS 7B

Receptor	Adj. Peak Ambient	Predicted LOS-D Noise Level	Change Over Ambient
7422 Tupelo Drive	N/A[1]	**69**	N/A[1]
1 Tupelo Court (Rec. 7B-1)	51	51	0
2 Tupelo Court	N/A[1]	64	N/A[1]
5 Tupelo Court	N/A[1]	58	N/A[1]
6 Tupelo Court (Rec. 7B-2)	64	65	1
9 Tupelo Court	N/A[1]	59	N/A[1]

[1]These locations were added to increase the accuracy of the noise modeling. Field Measurements were not taken at these locations.

To protect the residences of LAS 7B a noise barrier with a total length of 192 feet and an average height of 8.0 feet, constructed at a cost of $49,216 would reduce noise levels by up to 8 dBA. The cost per benefited residence is $49,216 for the 1 impacted residence benefited; therefore, this LAS meets criteria for further consideration of a barrier.

TABLE 21: PROPOSED BARRIER SUMMARY – LAS 7B

Length (ft)	192	**Total Residences Benefited**	1
Area (sq ft)	1,538		
Avg. Ht. (ft)	8.0		
Insertion Loss	8 dBA	**Cost Per Benefited Residence**	$49,216
Total Cost	$49,216		

Logical Analysis Segment 8A

LAS 8A consists of single family homes (Rec 8A-1, 8A-2, 8A-3, and 8A-4) just north of Tupelo Drive on the east side of Shady Grove Road, for a total of 22 residences. This area is south of Midcounty Highway and LOS D will be reached within 5-9 years. The peak predicted noise level is 72 dBA. Because this level is greater than 67 dBA mitigation is warranted.

TABLE 22: PREDICTED NOISE LEVEL SUMMARY – LAS 8A

Receptor	Adj. Peak Ambient	Predicted LOS-D Noise Level	Change Over Ambient
7425 Tupelo Drive (Rec. 8A-1)	**68**	**72**	4
7421 Tupelo Drive	N/A[1]	63	N/A[1]
5 Founders Mill Court	N/A[1]	62	N/A[1]
9 Founders Mill Court (Rec. 8A-2)	63	65	2
13 Founders Mill Court (Rec. 8A-2A)	65	66	1
14 Founders Mill Court	N/A[1]	64	N/A[1]
17324 Founders Mill Drive (Rec. 8A-3)	55	58	3
17321 Founders Mill Drive	N/A[1]	61	N/A[1]
17317 Founders Mill Drive	N/A[1]	61	N/A[1]
17313 Founders Mill Drive (Rec. 8A-4A)	61	62	1
17309 Founders Mill Drive (Rec. 8A-4)	59	61	2

[1]These locations were added to increase the accuracy of the noise modeling. Field Measurements were not taken at these locations.

To protect the residences of LAS 8A a noise barrier with a total length of 167 feet and an average height of 8.0 feet, constructed at a cost of $42,720 would reduce noise levels by up to 9 dBA. The cost per benefited residence is $42,720 for the 1 impacted residence benefited, therefore this LAS meets criteria for further consideration of a barrier.

TABLE 23: PROPOSED BARRIER SUMMARY – LAS 8A

Length (ft)	167	**Total Residences Benefited**	1
Area (sq ft)	1,335		
Avg. Ht. (ft)	8.0		
Insertion Loss	9 dBA	**Cost Per Benefited Residence**	$42,720
Total Cost	$42,720		

Logical Analysis Segment 8B

LAS 8B consists of single family homes (Rec. 8B-1, 8B-2, 8B-3, and 8B-4) just south of Mill Run Drive on the east side of Shady Grove Road, for a total of 14 residences. This area is north of Midcounty Highway and LOS D will not be reached within 20 years. The peak existing noise level is 68 dBA. Because this level is greater than 67 dBA mitigation is warranted.

TABLE 24: PREDICTED NOISE LEVEL SUMMARY – LAS 8B

Receptor	Adj. Peak Ambient	Predicted Peak 2005 Noise Level	Change Over Ambient
17308 Beauvior Boulevard (Rec. 8B-1)	55	55	0
7312 Blanchard Drive	N/A[1]	58	N/A[1]
7316 Blanchard Drive	N/A[1]	58	N/A[1]
7320 Blanchard Drive (Rec. 8B-2)	63	59	-4
7324 Blanchard Drive	N/A[1]	60	N/A[1]
7328 Blanchard Drive	N/A[1]	60	N/A[1]
7331 Blanchard Drive	N/A[1]	57	N/A[1]
17500 McDade Court (Rec. 8B-3)	62	60	-2
17501 McDade Court	N/A[1]	58	N/A[1]
17504 McDade Court	N/A[1]	59	N/A[1]
7200 Mill Run Drive (Rec. 8B-4)	**70**	**68**	-2

[1]These locations were added to increase the accuracy of the noise modeling. Field Measurements were not taken at these locations.

To protect the residences of LAS 8B a noise barrier with a total length of 416 feet and an average height of 8.0 feet, constructed at a cost of $106,528 would reduce noise levels by up to 8 dBA. The cost per benefited residence is $106,528 for the 1 impacted residence benefited, therefore this LAS only meets criteria for further consideration of a barrier if each homeowner agrees to fully pay the additional $56,528 above the $50,000/residence limit.

TABLE 25: PROPOSED BARRIER SUMMARY – LAS 8B

Length (ft)	416	**Total Residences Benefited**	1
Area (sq ft)	3,329		
Avg. Ht. (ft)	8.0		
Insertion Loss	8 dBA	**Cost Per Benefited Residence**	$106,528
Total Cost	$106,528		

Logical Analysis Segment 9

LAS 9 consists of single family homes (Rec. 9-1, 9-2, 9-3, and 9-4) between Mill Run Drive and Muncaster Mill Road on the east side of Shady Grove Road, for a total of 25 residences. This area is north of Midcounty Highway and LOS D will not be reached within 20 years. The peak existing noise level is 72 dBA. Because this level is greater than 67 dBA mitigation is warranted.

TABLE 26: PREDICTED NOISE LEVEL SUMMARY – LAS 9

Receptor	Adj. Peak Ambient	Predicted Peak 2005 Noise Level	Change Over Ambient
17700 Millcrest Drive (Rec. 9-1)	65	66	1
17701 Millcrest Drive	N/A[1]	66	N/A[1]
17705 Millcrest Drive	N/A[1]	64	N/A[1]
17709 Millcrest Drive (Rec. 9-2)	57	59	2
6 Millcrest Court	N/A[1]	65	N/A[1]
10 Millcrest Court	N/A[1]	**68**	N/A[1]
14 Millcrest Court	N/A[1]	**71**	N/A[1]
18 Millcrest Court	N/A[1]	**72**	N/A[1]
22 Millcrest Court (Rec. 9-3)	**71**	**71**	0
26 Millcrest Court	N/A[1]	**70**	N/A[1]
30 Millcrest Court	N/A[1]	64	N/A[1]
31 Millcrest Court (Rec. 9-4)	57	59	2

[1]These locations were added to increase the accuracy of the noise modeling. Field Measurements were not taken at these locations.

To protect the residences of LAS 9 a noise barrier with a total length of 704 feet and an average height of 10.0 feet, constructed at a cost of $225,280 would reduce noise levels by up to 11 dBA. The cost per benefited residence is $45,056 for the 5 impacted residences benefited, therefore this LAS meets current criteria for further consideration of a barrier.

TABLE 27: PROPOSED BARRIER SUMMARY – LAS 9

Length (ft)	704	**Total Residences Benefited**	5
Area (sq ft)	7,040		
Avg. Ht. (ft)	10.0		
Insertion Loss	8-11 dBA	**Cost Per Benefited Residence**	$45,056
Total Cost	$225,280		

Summary and Conclusions

A total of twelve barriers were considered in the entire study area, with a total length of 7,437 feet, an average height of 10.0 feet, at a cost of $2,379,040. See Tables 28 and 29 on pages 5.15 through 5.20, and Figures 2.2 through 2.7 for a summary of the noise analysis. LAS 1, 2A, 2B, 3, 6, 7B, 8A, and 9 meet all criteria for further consideration of a barrier. LAS 4, 5, 7A, and 8B also meet criteria for further consideration of a barrier if each of the homeowners agrees to fully pay the additional cost of the barrier over the $50,000 limit. The LAS that meet criteria for further consideration of a barrier will be eligible to compete for funding with similarly impacted neighborhoods throughout other areas of the county based on the score for each LAS. This score is calculated according to The Montgomery County Noise Policy and is based on seven factors: noise impact during peak-noise hour, noise impact for day and night, projected time to reach LOS D, home construction date, home purchase date, number of benefited homes, and extent of benefit. These scores are shown in Table 30 on page 5.21.

TABLE 28: NOISE BARRIER SUMMARY – SOUTH OF MIDCOUNTY HIGHWAY

LAS	Rec.	Address	Adj. Peak Ambient	LOS-D Predicted Noise Level	Change Over Ambient	With Barrier	Insertion Loss	Barrier Analysis	
1	---	7893 Briardale Terrace	N/A[1]	68	N/A[1]	59	9	Height = 8' – 14'	Cost = $329,120
	---	7891 Briardale Terrace	N/A[1]	67	N/A[1]	58	9	Avg. Height = 12.2'	Benefited Residences = 9
	1-1	7883 Briardale Terrace	64	64	0	61	3	Length = 840'	Cost/Residence = $36,569
	1-2	7860 Briardale Terrace	69	71	2	59	12		
	---	7858 Briardale Terrace	N/A[1]	70	N/A[1]	58	12		
	---	7856 Briardale Terrace	N/A[1]	69	N/A[1]	58	11		
	---	7854 Briardale Terrace	N/A[1]	68	N/A[1]	58	10		
	---	7852 Briardale Terrace	N/A[1]	67	N/A[1]	58	9		
	---	7850 Briardale Terrace	N/A[1]	67	N/A[1]	58	9		
	1-3	7828 Briardale Terrace	65	67	2	58	9		
	---	7826 Briardale Terrace	N/A[1]	66	N/A[1]	58	8		
	1-4	7814 Briardale Terrace	61	62	1	59	3		
2A	---	17001 Teal Court	N/A[1]	61	N/A[1]	61	0	Height = 8' – 10'	Cost = $103,456
	2A-1	17005 Teal Court	62	62	0	62	0	Avg. Height = 8.7'	Benefited Residences = 3
	---	17009 Teal Court	N/A[1]	61	N/A[1]	61	0	Length = 372'	Cost/Residence = $34,485
	---	17013 Teal Court	N/A[1]	60	N/A[1]	60	0		
	2A-2	7700 Rydal Terrace	68	68	0	59	9		
	---	7701 Rydal Terrace	N/A[1]	67	N/A[1]	58	9		
	---	7704 Rydal Terrace	N/A[1]	68	N/A[1]	60	8		
	---	7705 Rydal Terrace	N/A[1]	59	N/A[1]	58	1		
	---	7708 Rydal Terrace	N/A[1]	61	N/A[1]	60	1		
	---	7709 Rydal Terrace	N/A[1]	58	N/A[1]	58	0		
	2A-3	7700 Polara Place	59	59	0	59	0		

[1]These locations were added to increase the accuracy of the noise modeling. Field Measurements were not taken at these locations.

TABLE 28 (Cont.): NOISE BARRIER SUMMARY – SOUTH OF MIDCOUNTY HIGHWAY

LAS	Rec.	Address	Adj. Peak Ambient	LOS-D Predicted Noise Level	Change Over Ambient	With Barrier	Insertion Loss	Barrier Analysis	
2B	---	7500 Weatherby Drive	N/A[1]	57	N/A[1]	56	1	Height = 8'	Cost = $127,488
	2B-1	17113 Berclair Terrace	66	69	3	59	10	Avg. Height = 8.0'	Benefited Residences = 4
	---	17117 Berclair Terrace	N/A[1]	69	N/A[1]	59	10	Length = 498'	Cost/Residence = $31,872
	---	17121 Berclair Terrace	N/A[1]	70	N/A[1]	61	9		
	2B-2	17124 Berclair Terrace	55	57	2	56	1		
	---	17125 Berclair Terrace	N/A[1]	66	N/A[1]	59	7		
	---	17128 Berclair Terrace	N/A[1]	57	N/A[1]	56	1		
	---	17132 Berclair Terrace	N/A[1]	59	N/A[1]	58	1		
	---	7500 Epsilon Drive	N/A[1]	73	N/A[1]	63	10		
	---	7504 Epsilon Drive	N/A[1]	65	N/A[1]	60	5		
3	3-1	7501 Epsilon Drive	68	69	1	59	10	Height = 8' – 10'	Cost = $365,440
	---	17205 Berclair Terrace	N/A[1]	70	N/A[1]	61	9	Avg. Height = 9.8'	Benefited Residences = 12
	3-2	17208 Berclair Terrace	59	59	0	56	3	Length = 1,166'	Cost/Residence = $30,453
	---	17209 Berclair Terrace	N/A[1]	70	N/A[1]	62	8		
	---	17213 Berclair Terrace	N/A[1]	70	N/A[1]	61	9		
	---	17217 Berclair Terrace	N/A[1]	71	N/A[1]	61	10		
	---	17221 Berclair Terrace	N/A[1]	74	N/A[1]	63	11		
	3-3	17225 Berclair Terrace	73	75	2	64	11		
	---	17229 Berclair Terrace	N/A[1]	69	N/A[1]	61	8		
	3-4	7500 Tarpley Drive	70	74	4	63	11		
	---	7501 Tarpley Drive	N/A[1]	73	N/A[1]	62	11		
	---	7504 Tarpley Drive	N/A[1]	69	N/A[1]	61	8		
	---	7505 Tarpley Drive	N/A[1]	70	N/A[1]	62	8		

[1]These locations were added to increase the accuracy of the noise modeling. Field Measurements were not taken at these locations.

TABLE 28 (Cont.): NOISE BARRIER SUMMARY – SOUTH OF MIDCOUNTY HIGHWAY

LAS	Rec.	Address	Adj. Peak Ambient	LOS-D Predicted Noise Level	Change Over Ambient	With Barrier	Insertion Loss	Barrier Analysis	
6	6-1	16600 Bethayres Road	63	65	2	64	1	Height = 8' – 14'	Cost = $338,144
	---	16812 Malabar Street	N/A[1]	75	N/A[1]	65	10	Avg. Height = 12.7'	Benefited Residences = 9
	6-2	16816 Malabar Street	72	75	3	65	10	Length = 829'	Cost/Residence = $37,572
	---	16820 Malabar Street	N/A[1]	75	N/A[1]	65	10		
	---	16824 Malabar Street	N/A[1]	75	N/A[1]	64	11		
	6-4	16825 Malabar Street	58	59	1	57	2		
	---	16828 Malabar Street	N/A[1]	75	N/A[1]	64	11		
	---	16832 Malabar Street	N/A[1]	75	N/A[1]	65	10		
	6-3	16836 Malabar Street	72	75	3	65	10		
	---	16840 Malabar Street	N/A[1]	75	N/A[1]	64	11		
	---	16844 Malabar Street	N/A[1]	75	N/A[1]	62	13		
7A	7A-1	16937 Briardale Road	72	73	1	63	10	Height = 10' – 12'	Cost = $139,712
	---	16933 Briardale Road	N/A[1]	67	N/A[1]	62	6	Avg. Height = 11.8'	Benefited Residences = 2
	---	16929 Briardale Road	N/A[1]	63	N/A[1]	59	4	Length = 371'	Cost/Residence = $69,856
	---	16925 Briardale Road	N/A[1]	62	N/A[1]	59	3		
	7A-2	16921 Briardale Road	59	61	2	59	2		
	---	16917 Briardale Road	N/A[1]	59	N/A[1]	58	1		
	---	16913 Briardale Road	N/A[1]	57	N/A[1]	57	0		

[1]These locations were added to increase the accuracy of the noise modeling. Field Measurements were not taken at these locations.

TABLE 28 (Cont.): NOISE BARRIER SUMMARY – SOUTH OF MIDCOUNTY HIGHWAY

LAS	Rec.	Address	Adj. Peak Ambient	LOS-D Predicted Noise Level	Change Over Ambient	With Barrier	Insertion Loss	Barrier Analysis	
7B	---	7422 Tupelo Drive	N/A[1]	69	N/A[1]	61	8	Height = 8'	Cost = $49,216
	7B-1	1 Tupelo Court	51	51	0	51	0	Avg. Height = 8.0'	Benefited Residences = 1
	---	2 Tupelo Court	N/A[1]	64	N/A[1]	64	0	Length = 192'	Cost/Residence = $49,216
	---	5 Tupelo Court	N/A[1]	58	N/A[1]	58	0		
	7B-2	6 Tupelo Court	64	65	1	62	3		
	---	9 Tupelo Court	N/A[1]	59	N/A[1]	59	0		
8A	8A-1	7425 Tupelo Drive	68	72	4	63	9	Height = 8'	Cost = $42,720
	---	7421 Tupelo Drive	N/A[1]	63	N/A[1]	61	2	Avg. Height = 8.0'	Benefited Residences = 1
	---	5 Founders Mill Court	N/A[1]	62	N/A[1]	62	0	Length = 167'	Cost/Residence = $42,720
	8A-2	9 Founders Mill Court	63	65	2	65	0		
	8A-2A	13 Founders Mill Court	65	66	1	66	0		
	---	14 Founders Mill Court	N/A[1]	64	N/A[1]	63	1		
	8A-3	17324 Founders Mill Dr.	55	58	3	58	0		
	---	17321 Founders Mill Dr.	N/A[1]	61	N/A[1]	61	0		
	---	17317 Founders Mill Dr.	N/A[1]	61	N/A[1]	61	0		
	8A-4A	17313 Founders Mill Dr.	61	62	1	62	0		
	8A-4	17309 Founders Mill Dr.	59	61	2	61	0		

[1]These locations were added to increase the accuracy of the noise modeling. Field Measurements were not taken at these locations.

TABLE 29: NOISE BARRIER SUMMARY - NORTH OF MIDCOUNTY HIGHWAY

LAS	Rec.	Address	Adj. Peak Ambient	Current Predicted Noise Level	2025 Predicted Noise Level[3]	With Barrier	Insertion Loss	Barrier Analysis	
4	4-1	17425 Park Mill Drive	64	64	N/A[2]	N/A[2]	N/A[2]	Height = 8' – 12'	Cost = $249,472
	4-1A	17429 Park Mill Drive	64	64	N/A[2]	N/A[2]	N/A[2]	Avg. Height = 10.5'	Benefited Residences = 2
	4-3A	17437 Park Mill Drive	66	65	N/A[2]	N/A[2]	N/A[2]	Length = 746'	Cost/Residence = $124,736
	---	17501 Park Mill Drive	N/A[1]	66	N/A[2]	N/A[2]	N/A[2]		
	4-2	17504 Park Mill Drive	59	56	N/A[2]	N/A[2]	N/A[2]		
	4-3	17505 Park Mill Drive	66	66	N/A[2]	N/A[2]	N/A[2]		
	---	17509 Park Mill Drive	N/A[1]	65	N/A[2]	N/A[2]	N/A[2]		
	4-3B	17513 Park Mill Drive	67	67	68	60	8		
	4-3C	17517 Park Mill Drive	64	65	N/A[2]	N/A[2]	N/A[2]		
	---	17521 Park Mill Drive	N/A[1]	66	N/A[2]	N/A[2]	N/A[2]		
	4-4A	17525 Park Mill Drive	65	65	N/A[2]	N/A[2]	N/A[2]		
	4-4	7300 Mill Run Drive	70	72	72	63	9		
5	5-1	7301 Mill Run Drive	73	69	69	59	10	Height = 8' – 10'	Cost = $302,464
	5-3A	17721 Cliffbourne Lane	65	63	N/A[2]	N/A[2]	N/A[2]	Avg. Height = 8.3'	Benefited Residences = 2
	---	17725 Cliffbourne Lane	N/A[1]	64	N/A[2]	N/A[2]	N/A[2]	Length = 1,136'	Cost/Residence = $151,232
	---	17729 Cliffbourne Lane	N/A[1]	64	N/A[2]	N/A[2]	N/A[2]		
	5-3B	17733 Cliffbourne Lane	64	64	N/A[2]	N/A[2]	N/A[2]		
	5-2	17736 Cliffbourne Lane	55	56	N/A[2]	N/A[2]	N/A[2]		
	5-3	17737 Cliffbourne Lane	66	67	67	58	9		
	---	17741 Cliffbourne Lane	N/A[1]	63	N/A[2]	N/A[2]	N/A[2]		
	---	17745 Cliffbourne Lane	N/A[1]	63	N/A[2]	N/A[2]	N/A[2]		
	5-4A	17801 Cliffbourne Lane	65	65	N/A[2]	N/A[2]	N/A[2]		
	---	17805 Cliffbourne Lane	N/A[1]	65	N/A[2]	N/A[2]	N/A[2]		
	5-4	17809 Cliffbourne Lane	59	63	N/A[2]	N/A[2]	N/A[2]		

[1]These locations were added to increase the accuracy of the noise modeling. Field Measurements were not taken at these locations.
[2]This receptor is not impacted, and therefore was not considered during barrier design.
[3]Although current (2005) traffic is used for impact determination for residences north of Midcounty Highway, 20-year (2025) traffic is used for barrier design.

TABLE 29 (Cont.): NOISE BARRIER SUMMARY - NORTH OF MIDCOUNTY HIGHWAY

LAS	Rec.	Address	Adj. Peak Ambient	Current Predicted Noise Level	2025 Predicted Noise Level[3]	With Barrier	Insertion Loss	Barrier Analysis	
8B	8B-1	17308 Beauvior Blvd.	55	55	N/A[2]	N/A[2]	N/A[2]	Height = 8'	Cost = $106,528
	---	7312 Blanchard Drive	N/A[1]	58	N/A[2]	N/A[2]	N/A[2]	Avg. Height = 8.0'	Benefited Residences = 1
	---	7316 Blanchard Drive	N/A[1]	58	N/A[2]	N/A[2]	N/A[2]	Length = 416'	Cost/Residence = $106,528
	8B-2	7320 Blanchard Drive	63	59	N/A[2]	N/A[2]	N/A[2]		
	---	7324 Blanchard Drive	N/A[1]	60	N/A[2]	N/A[2]	N/A[2]		
	---	7328 Blanchard Drive	N/A[1]	60	N/A[2]	N/A[2]	N/A[2]		
	---	7331 Blanchard Drive	N/A[1]	57	N/A[2]	N/A[2]	N/A[2]		
	8B-3	17500 McDade Court	62	60	N/A[2]	N/A[2]	N/A[2]		
	---	17501 McDade Court	N/A[1]	58	N/A[2]	N/A[2]	N/A[2]		
	---	17504 McDade Court	N/A[1]	59	N/A[2]	N/A[2]	N/A[2]		
	8B-4	7200 Mill Run Drive	70	68	68	60	8		
9	9-1	17700 Millcrest Drive	65	66	N/A[2]	N/A[2]	N/A[2]	Height = 10'	Cost = $225,280
	---	17701 Millcrest Drive	N/A[1]	66	N/A[2]	N/A[2]	N/A[2]	Avg. Height = 10.0'	Benefited Residences = 5
	---	17705 Millcrest Drive	N/A[1]	64	N/A[2]	N/A[2]	N/A[2]	Length = 704'	Cost/Residence = $45,056
	9-2	17709 Millcrest Drive	57	59	N/A[2]	N/A[2]	N/A[2]		
	---	6 Millcrest Court	N/A[1]	65	N/A[2]	N/A[2]	N/A[2]		
	---	10 Millcrest Court	N/A[1]	68	68	60	8		
	---	14 Millcrest Court	N/A[1]	71	71	60	11		
	---	18 Millcrest Court	N/A[1]	72	72	61	11		
	9-3	22 Millcrest Court	71	71	71	60	11		
	---	26 Millcrest Court	N/A[1]	70	70	61	9		
	---	30 Millcrest Court	N/A[1]	64	N/A[2]	N/A[2]	N/A[2]		
	9-4	31 Millcrest Court	57	59	N/A[2]	N/A[2]	N/A[2]		

[1]These locations were added to increase the accuracy of the noise modeling. Field Measurements were not taken at these locations.
[2]This receptor is not impacted, and therefore was not considered during barrier design.
[3]Although current (2005) traffic is used for impact determination for residences north of Midcounty Highway, 20-year (2025) traffic is used for barrier design.

TABLE 30: PROJECT SCORING FACTORS

	Average Noise Impact Peak Hour[1]		Average Noise Impact Day and Night[2]		Time to Reach LOS-D[3]		Home Construction Date[4]		Home Purchase Date[5]		Number of Benefited Homes[6]		Extent of Benefit[7]		
LAS	$L_{Aeq1hrPk}$	NIP	L_{dn}	NDN	Time	TLOSD	# of Homes	HCD	# of Homes	HPD	# of Ben. Homes	NBH	IL	EOB	**Total Score**
1	69	12	71	12	5-9	7.5	0	0	0	0	9	4	10.00	7.0	**42.5**
2A	65	0	66	0	5-9	7.5	0	0	0	0	3	1	8.67	5.5	**14.0**
2B	69	12	71	12	5-9	7.5	0	0	0	0	4	2	9.75	6.5	**40.0**
3	73	30	75	15	5-9	7.5	0	0	0	0	12	6	9.50	6.5	**65.0**
4	67	0	69	6	>20	0	26	8	3	1	2	1	8.50	5.5	**21.5**
5	66	0	67	0	>20	0	27	9	7	2	2	1	9.50	6.5	**18.5**
6	75	30	76	15	5-9	7.5	0	0	0	0	9	4	10.67	7.5	**64.0**
7A	65	0	66	0	5-9	7.5	0	0	0	0	2	1	8.00	5.0	**13.5**
7B	63	0	65	0	5-9	7.5	0	0	0	0	1	0	8.00	5.0	**12.5**
8A	66	0	68	3	5-9	7.5	0	0	0	0	1	0	9.00	6.0	**16.5**
8B	61	0	63	0	>20	0	14	4	2	0	1	0	8.00	5.0	**9.0**
9	70	18	71	12	>20	0	14	4	0	0	5	2	10.00	7.0	**37.0**

[1] Noise impact during peak noise hour (NIP) is determined from the arithmetic average of the peak-noise hour equivalent sound levels ($LA_{eq1hrPk}$) for the five receptors with the highest traffic noise exposures in the logical analysis segment. The NIP can have a maximum score of 30. Noise levels used for Project Scoring Factors are based on LOS D traffic volumes south of Midcounty Highway, and current (2005) traffic volumes north of Midcounty Highway.

[2] Noise impact for day and night (NDN) is determined from the arithmetic average of the day-night average sound levels (L_{dn}) for the five receptors with the highest traffic noise exposures in the logical analysis segment. The NDN can have a maximum score of 15. Noise levels used for Project Scoring Factors are based on LOS D traffic volumes south of Midcounty Highway, and current (2005) traffic volumes north of Midcounty Highway.

[3] Projected time to reach LOS-D (TLOSD) is determined from the time in years for the peak-hour traffic on the roadway under study to reach LOS-D. The evaluated highway capacity will be that for the roadway design for new roads or road improvements or the existing road configuration for barrier retrofit.

[4] Home construction date (HCD) is based upon the number of homes in the logical analysis segment constructed prior to the date of the first adopted Master Plan, which includes the road at its evaluated highway capacity. The HCD can have a maximum score of 10.

[5] Home purchase date (HPD) is based upon the number of homes in the logical analysis segment purchased prior to the date of the first adopted Master Plan, which includes the road at its evaluated highway capacity. The HPD can have a maximum score of 10.

[6] Number of benefited homes (NBH) is determined from the total number of benefited dwellings in the logical analysis segment. The NBH can have a maximum score of 15.

[7] Extent of benefit (EOB) is determined from the average barrier insertion loss for all benefited receptors in the logical analysis segment. The EOB can have a maximum score of 10.

[8] For LAS 4, 5, 7A, and 8B, barriers are not reasonable unless each homeowner agrees to pay the additional cost above the $50,000/residence limit.

APPENDIX A:
TRAFFIC DATA
JULY, 2005

Prepared by:

The Wilson T. Ballard Company
17 Gwynns Mill Court
Owings Mills, Maryland 21117

* Please note that all traffic volumes shown are the 20-min traffic counts multiplied by a factor of 3 to adjust them to an hourly traffic volume.*

11/23/2004 - 10:37 AM to 10:57 AM				
Receptors: 1-1, 1-2, 1-3, 1-4				
	Shady Grove Rd NB	Shady Grove Rd SB (north of ramp)	Shady Grove Rd (south of ramp)	I-370 ramp
cars	1230	1713	924	789
MT	42	54	27	27
HT	45	33	15	18
motorcycles	0	0	0	0

11/23/2004 - 11:51 AM to 12:11 PM		
Receptors: 6-1, 6-2, 6-3, 6-4		
	Shady Grove Rd NB	Shady Grove Rd SB
cars	1203	1359
MT	72	81
HT	48	48
motorcycles	6	0

11/23/2004 - 1:08 PM to 1:28 PM		
Receptors: 7A-1, 7A-2, 7B-1, 7B-2		
	Shady Grove Rd NB	Shady Grove Rd SB
cars	1356	1227
MT	99	81
HT	69	39
motorcycles	0	0

11/23/2004 - 2:02 PM to 2:22 PM		
Receptors: 2A-1, 2A-2, 2A-3		
	Shady Grove Rd NB	Shady Grove Rd SB
cars	1608	1395
MT	99	69
HT	57	36
motorcycles	3	0

11/23/2004 - 2:56 PM to 3:16 PM		
Receptors: 2B-1, 2B-2, 3-1, 3-2		
	Shady Grove Rd NB	Shady Grove Rd SB
cars	2190	1254
MT	84	57
HT	66	15
motorcycles	0	0

12/9/2004 - 9:31 AM to 9:51 AM		
Receptors: 3-3, 8A-1, 8A-2, 8A-3		
	SGR NB	SGR SB
cars	942	2061
MT	96	87
HT	33	39
motorcycles	0	3

12/9/2004 - 10:37 AM to 10:57 AM						
Receptors: 3-4, 4-1, 8A-4, 8B-1						
	SGR NB N of Mdcnty	SGR SB N of Mdcnty	SGR NB S of Mdcnty	SGR SB S of Mdcnty	Mdcnty EB	Mdcnty WB
cars	744	1038	795	1350	654	357
MT	33	33	57	57	12	9
HT	42	57	39	48	6	9
motorcycles	0	0	0	0	0	0

12/9/2004 - 11:41 AM to 12:01 PM		
Receptors: 4-2, 4-3, 5-1		
	SGR NB	SGR SB
cars	1059	1011
MT	45	66
HT	90	36
motorcycles	0	0

12/9/2004 - 12:23 PM to 12:43 PM		
Receptors: 8B-2, 8B-3, 8B-4		
	SGR NB	SGR SB
cars	1092	1041
MT	84	99
HT	78	51
motorcycles	0	0

12/15/2004 - 1:01 PM to 1:21 PM		
Receptors: 9-1, 9-2, 9-3, 9-4		
	SGR NB	SGR SB
cars	1041	756
MT	51	99
HT	33	33
motorcycles	0	0

12/15/2004 - 2:06 PM to 2:26 PM		
Receptors: 4-4, 5-4		
	SGR NB	SGR SB
cars	1071	891
MT	63	51
HT	51	24
motorcycles	0	0

6/1/2005 - 10:27 AM to 10:47 AM		
Receptors: 5-2, 5-3, 5--3A, 5-4A		
	SGR NB	SGR SB
cars	783	1038
MT	66	51
HT	36	36
motorcycles	0	6

6/1/2005 - 11:25 AM to 11:45 AM		
Receptors: 4-3B, 4-3C, 4-4A, 5-3B		
	SGR NB	SGR SB
cars	864	987
MT	66	96
HT	51	21
motorcycles	3	9

6/1/2005 - 12:59 PM to 1:19 PM						
Receptors: 4-1A, 4-3A, 8A-2A, 8A-4A						
	SGR NB N of Mdcnty	SGR SB N of Mdcnty	SGR NB S of Mdcnty	SGR SB S of Mdcnty	Mdcnty EB	Mdcnty WB
cars	1107	759	1251	1257	642	591
MT	114	105	120	129	30	9
HT	33	9	33	15	6	6
motorcycles	6	3	9	3	3	6

DRAFT

InterCounty Connector Study
Existing Traffic Volumes

2000 Count ICC DEIS Update

ADT

Good Hope Rd

2000 Cnt

5,390

920 1,290

7,780 *Briggs Chaney Rd* 12,870

490 5,210

8880

Shady Grove Rd

2000 Cnt

39,350

6,030 -

25,140 *Midcounty Hwy* -

19,110 -

52430

-

2000 Cnt

29,090

3,360 -

6,070 *Muirkirk Meadows Dr* -

2,710 -

28440

AM Peak Hour

Good Hope Rd

347 172

79	R	R	42
191	T	T	258
77	L	L	274

352 *Briggs Chaney Rd* 574

391 588

28	L	L	15
335	T	T	102
28	R	R	176

493 293

Shady Grove Rd

2,145 1,005

208	R	R	-
1,937	T	T	-
-	L	L	-

552 *Midcounty Hwy* -

1,849 -

228	L	L	344
-	T	T	777
1,621	R	R	-

3,558 1,121

-

1,750 455

179	R	R	-
1,571	T	T	-
-	L	L	-

247 *Muirkirk Meadows Dr* -

171 -

66	L	L	68
-	T	T	389
105	R	R	-

1,676 457

PM Peak Hour

Good Hope Rd

194 319

45	R	R	75
115	T	T	352
34	L	L	210

419 *Briggs Chaney Rd* 637

292 625

46	L	L	22
217	T	T	198
29	R	R	374

354 594

Shady Grove Rd

1,084 2,869

237	R	R	-
847	T	T	-
-	L	L	-

1,570 *Midcounty Hwy* 0

872 0

426	L	L	1,333
-	T	T	2,443
446	R	R	-

1,293 3,776

-

840 1,855

78	R	R	-
762	T	T	-
-	L	L	-

139 *Muirkirk Meadows Dr* 0

312 0

221	L	L	61
-	T	T	1,634
91	R	R	-

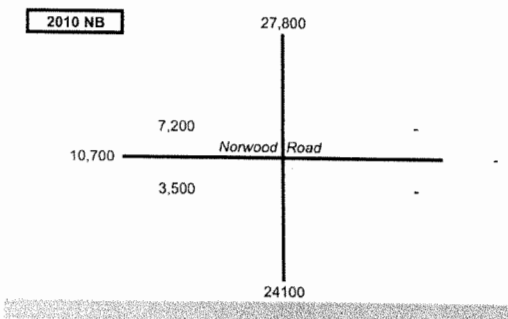
853 1,695

Intercounty Connector Study

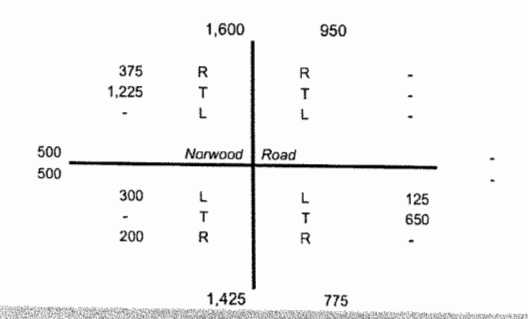
2010 No-Action Traffic Volumes (AQ Intersections)

DRAFT

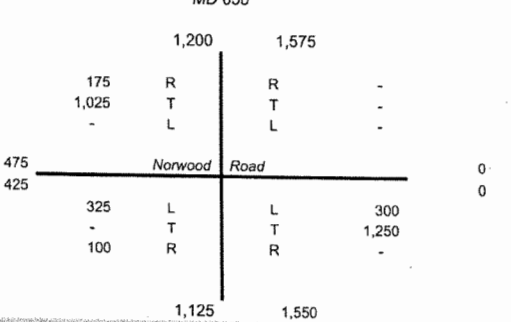
ADT



AM Peak Hour



PM Peak Hour



2030 No-Build ICC DEIS Update

ADT

Airpark Rd

2030 NB

20000

200 2,400

15,400 *MD 115* 20,700

10,300 13,400

41100

Shady Grove Rd

2030 NB

41100

5,100 -

33,000 *Midcounty Hwy* -

27,900 -

63900

Shady Grove Rd

2030 NB

64000

35,100 7,000

59,500 *I- 370* 18,500

16,200 3,300

41400

AM Peak Hour

Airpark Rd

1,325 575

50	R	R	75	
1,150	T	T	300	
125	L	L	700	
625		*MD 115*		1,075
1,225				950
25	L	L	275	
325	T	T	475	
875	R	R	500	

2,725 1,250

Shady Grove Rd

2,725 1,250

175	R	R	-	
2,550	T	T	-	
-	L	L	-	
675		*Midcounty Hwy*		-
2,575				-
200	L	L	500	
-	T	T	1,050	
2,375	R	R	-	

4,925 1,550

Shady Grove Rd

4,900 1,525

2,325	R	R	125	
1,950	T	T	475	
625	L	L	150	
3,125		*I- 370*		750
3,375				3,200
425	L	L	325	
2,425	T	T	975	
525	R	R	150	

2,625 1,450

PM Peak Hour

Airpark Rd

675 1,300

25	R	R	100	
525	T	T	450	
125	L	L	350	
1,100		*MD 115*		900
700				1,275
25	L	L	625	
375	T	T	1,175	
300	R	R	775	

1,175 2,575

Shady Grove Rd

1,225 2,550

200	R	R	-	
1,025	T	T	-	
-	L	L	-	
2,150		*Midcounty Hwy*		0
1,000				0
350	L	L	1,950	
-	T	T	2,200	
650	R	R	-	

1,675 4,150

Shady Grove Rd

1,675 4,150

1,100	R	R	575	
450	T	T	1,575	
125	L	L	125	
3,100		*I- 370*		2,275
3,775				1,750
1,725	L	L	425	
1,500	T	T	1,850	
550	R	R	125	

1,125 2,400

APPENDIX B:
FIELD AMBIENT NOISE MEASUREMENTS
JULY, 2005

Prepared by:

The Wilson T. Ballard Company
17 Gwynns Mill Court
Owings Mills, Maryland 21117

```
**********************************************************************
Filename.............SGRD2572
Test Location.........7883 BRIARDALE TERRACE - R 1-1
Employee Name.........MJM, LAA
Employee Number.......
Date.................11/23/04 (traffic count 10:37AM-10:57AM)
Calibrator Type.......
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 2572
REPORT PRINTED ON 11/24/04 at 14:10:25
User ID: _____

The Wilson T. Ballard Co

LOGGING STARTED......11/23/04 at 10:09:00
TOTAL LOGGING TIME...0 DAYS 00:59:37
LOGGING STOPPED......11/23/04 at 11:08:37
TOTAL INTERVALS......60
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....11/23/04 AT 08:45:07
PRE-TEST CALIBRATION RANGE...38.5 TO 138.5 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE

<<< SUMMARY REPORT FOR TEST NUMBER 1 OF 5 >>>

EXCHANGE RATE..........3dB
CUTOFFS................ 80dB  90dB
CEILING................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  65.0dB
Lav ( 80)......  61.9dB
Lav ( 90)......  60.6dB
SEL............. 100.4dB

TWA.............  56.0dB
TWA ( 80)......  52.9dB
TWA ( 90)......  51.6dB

Lmax............  96.6dB  11/23/04 at 11:07:54
Lpk............. 119.0dB  11/23/04 at 11:07:54
TIME OVER 115dB...00:00:00.00

DOSE ( 80)........    0.01%
PROJ. DOSE ( 80)..    0.08%
DOSE ( 90)........    0.01%
PROJ. DOSE ( 90)..    0.08%
```

<<< TIME HISTORY REPORT FOR TEST NUMBER 1 OF 5 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
11/23/04					
10:09:00	60.3	66.6	UNDER	64.5	52.5
10:10:00	63.1	66.3	UNDER	64.5	60.5
10:11:00	62.4	65.6	UNDER	65.5	57.5
10:12:00	60.5	65.4	UNDER	63.5	57.5
10:13:00	61.8	65.8	UNDER	64.5	56.5
10:14:00	60.2	63.3	UNDER	62.5	55.5
10:15:00	61.5	65.0	UNDER	64.5	57.5
10:16:00	58.6	61.4	UNDER	60.5	55.5
10:17:00	61.9	65.0	UNDER	63.5	57.5
10:18:00	58.0	62.7	UNDER	59.5	55.5
10:19:00	62.3	65.8	UNDER	64.5	58.5
10:20:00	58.8	63.4	UNDER	62.5	56.5
10:21:00	61.9	64.8	UNDER	63.5	59.5
10:22:00	60.3	65.0	UNDER	64.5	54.5
10:23:00	60.9	64.2	UNDER	63.5	57.5
10:24:00	62.5	68.9	UNDER	66.5	54.5
10:25:00	62.1	66.2	UNDER	64.5	59.5
10:26:00	61.2	63.8	UNDER	63.5	59.5
10:27:00	56.9	60.2	UNDER	58.5	54.5
10:28:00	65.6	75.0	UNDER	69.5	61.5
10:29:00	59.6	63.0	UNDER	62.5	54.5
10:30:00	62.3	65.8	UNDER	64.5	59.5
10:31:00	59.0	64.2	UNDER	62.5	51.5
10:32:00	71.2	83.0	UNDER	72.5	59.5
10:33:00	59.1	63.2	UNDER	62.5	55.5
10:34:00	62.5	67.0	UNDER	65.5	56.5
10:35:00	61.9	66.9	UNDER	66.5	54.5
10:36:00	62.6	67.0	UNDER	65.5	57.5
10:37:00	60.8	64.4	UNDER	63.5	55.5
10:38:00	58.9	62.6	UNDER	61.5	55.5
10:39:00	61.6	65.4	UNDER	63.5	59.5
10:40:00	57.7	61.4	UNDER	60.5	54.5
10:41:00	63.4	66.2	UNDER	65.5	61.5
10:42:00	59.5	64.8	UNDER	63.5	55.5
10:43:00	62.9	67.0	UNDER	65.5	56.5
10:44:00	58.9	63.4	UNDER	61.5	53.5
10:45:00	63.4	66.6	UNDER	65.5	58.5
10:46:00	62.3	67.0	UNDER	65.5	56.5
10:47:00	61.1	66.6	UNDER	65.5	56.5
10:48:00	62.1	66.6	UNDER	65.5	56.5
10:49:00	59.9	64.1	UNDER	61.5	56.5
10:50:00	63.6	67.0	UNDER	66.5	59.5
10:51:00	58.4	60.7	UNDER	60.5	56.5
10:52:00	64.7	67.8	UNDER	66.5	58.5
10:53:00	59.0	64.2	UNDER	62.5	53.5
10:54:00	61.9	65.4	UNDER	64.5	59.5
10:55:00	61.6	65.8	UNDER	64.5	56.5
10:56:00	63.5	66.6	UNDER	65.5	59.5
10:57:00	61.1	66.3	UNDER	64.5	52.5
10:58:00	61.6	64.2	UNDER	63.5	57.5

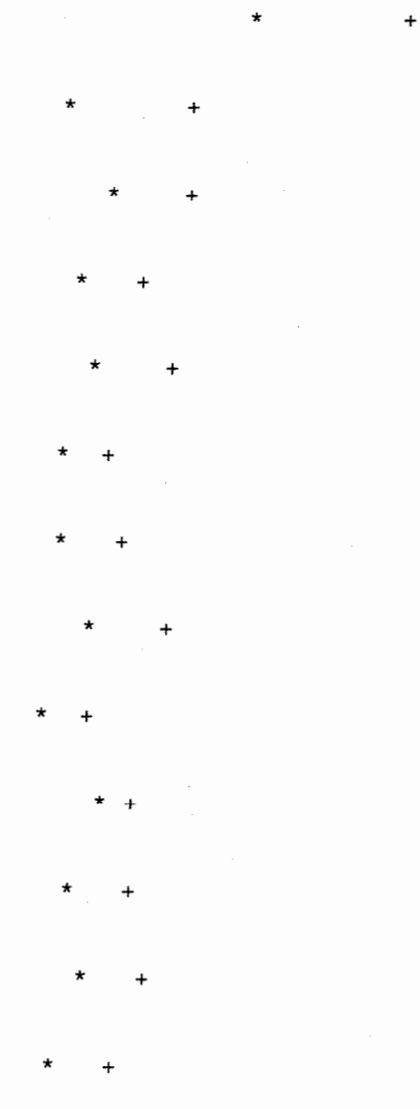
10:59:00	62.4	66.0	UNDER	64.5	56.5
11:00:00	57.5	65.4	UNDER	62.5	49.5
11:01:00	67.7	77.5	UNDER	72.5	61.5
11:02:00	59.2	65.0	UNDER	63.5	51.5
11:03:00	63.0	68.8	UNDER	67.5	54.5
11:04:00	57.9	62.1	UNDER	59.5	54.5
11:05:00	61.3	64.2	UNDER	63.5	57.5
11:06:00	58.6	62.3	UNDER	61.5	53.5
11:07:00	79.4	96.6	119.0	71.5	61.5
11:08:00	67.6	75.3	UNDER	70.5	61.5

```
*************************************************************************
Filename.......SGRD1875
Location.......7860 BRIARDALE TERRACE
Receptor.......R 1-2
Date..........11/23/04 (traffic count 10:37AM-10:57AM)

Personnel......MJM, LAA
*************************************************************************

METROSONICS db-308 SN 1875 V2.3  3/87

CURRENT DATE: 11/23/04
CURRENT TIME: 17:09:50

CALIBRATED:  11/23/04  @   8:47:52

DISPLAY RANGE:  43.0dB TO 139.0dB

DOUBLING RATE:  3 dB

FILTER: A WGHT

RESPONSE:  SLOW

SCHEDULED RUN: OFF

   START DATE: 1/01/85
   START TIME: 0:00:00
   LENGTH:     1:00:00


** OVERALL REPORT **

TEST STARTING DATE:  11/23/04
TEST STARTING TIME:  10:04:54
TEST LENGTH:     0DAYS  2:37:03

Lav    = 67.8dB
Lav  80= 59.8dB
Lav  90= 58.4dB
SEL    =107.4dB

Lmax = 94.6dB  ON 11/23/04 @ 10:32:49
Lpk  =  134dB  ON 11/23/04 @ 10:04:56

TIME OVER 115dB  0D  0:00:00.00

DOSE CRITERION:  90dB

 8 HR DOSE ( 80dB CUTOFF)=  0.03%
 8 HR PROJ. DOSE ( 80dB CUTOFF)=  0.09%
 8 HR DOSE ( 90dB CUTOFF)=  0.02%
 8 HR PROJ. DOSE ( 90dB CUTOFF)=  0.06%
```

** TIME HISTORY REPORT **

MODE: CONTINUOUS
PERIOD LENGTH: 0:01:00
TIME HISTORY CUTOFF: NONE
Ln(1): 10.0% Ln(2): 90.0%

INT# TAG#	START TIME	Lav ET	Lmax L1	Lpk L2
26	11/23/04	68.0	71.7	<118
0	10:29:54	0:01:00	70	65
27	11/23/04	63.8	68.4	<118
0	10:30:54	0:01:00	67	58
28	11/23/04	81.3	94.6	<118
0	10:31:54	0:01:00	82	64
29	11/23/04	65.6	75.5	<118
0	10:32:54	0:01:00	69	53
30	11/23/04	69.0	76.0	<118
0	10:33:54	0:01:00	71	59
31	11/23/04	67.0	72.3	<118
0	10:34:54	0:01:00	70	57
32	11/23/04	68.6	74.3	<118
0	10:35:54	0:01:00	72	60
33	11/23/04	66.0	69.9	<118
0	10:36:54	0:01:00	68	61
34	11/23/04	65.2	70.4	<118
0	10:37:54	0:01:00	69	58
35	11/23/04	68.2	74.5	<118
0	10:38:54	0:01:00	71	63
36	11/23/04	63.8	68.8	<118
0	10:39:54	0:01:00	66	56
37	11/23/04	69.2	72.2	<118
0	10:40:54	0:01:00	71	66
38	11/23/04	66.4	72.4	<118
0	10:41:54	0:01:00	70	59
39	11/23/04	68.9	73.7	<118
0	10:42:54	0:01:00	72	62
40	11/23/04	65.2	70.3	<118
0	10:43:54	0:01:00	69	60



41	11/23/04	69.6	75.0	<118		
0	10:44:54	0:01:00	72	66		
42	11/23/04	67.6	72.9	<118		
0	10:45:54	0:01:00	70	62		
43	11/23/04	66.2	72.1	<118		
0	10:46:54	0:01:00	70	60		
44	11/23/04	68.7	74.2	<118		
0	10:47:54	0:01:00	71	63		
45	11/23/04	65.0	69.0	<118		
0	10:48:54	0:01:00	67	60		
46	11/23/04	69.0	73.6	<118		
0	10:49:54	0:01:00	70	66		
47	11/23/04	61.7	66.0	<118		
0	10:50:54	0:01:00	64	58		
48	11/23/04	69.7	73.7	<118		
0	10:51:54	0:01:00	72	67		
49	11/23/04	64.9	70.1	<118		
0	10:52:54	0:01:00	68	59		
50	11/23/04	67.6	71.8	<118		
0	10:53:54	0:01:00	69	63		
51	11/23/04	65.7	71.4	<118		
0	10:54:54	0:01:00	69	59		
52	11/23/04	69.3	73.2	<118		
0	10:55:54	0:01:00	71	65		
53	11/23/04	66.9	72.0	<118		
0	10:56:54	0:01:00	70	54		
54	11/23/04	66.9	70.9	<118		
0	10:57:54	0:01:00	69	61		
55	11/23/04	68.2	74.5	<118		
0	10:58:54	0:01:00	70	63		
56	11/23/04	67.5	78.4	<118		
0	10:59:54	0:01:00	71	50		
57	11/23/04	72.2	81.2	<118		
0	11:00:54	0:01:00	75	64		
58	11/23/04	65.3	72.5	<118		
0	11:01:54	0:01:00	70	48		
59	11/23/04	69.7	76.4	<118		
0	11:02:54	0:01:00	72	61		

```
**********************************************************************
Filename..............SGRD5912
Test Location.........7828 BRIARDALE TERRACE - R 1-3
Employee Name.........MJM, LAA
Employee Number.......
Date..................11/23/04 (traffic count 10:37AM-10:57AM)
Calibrator Type.......
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 5912
REPORT PRINTED ON 11/24/04 at 15:32:58
User ID: _____________________________

The Wilson T. Ballard Co

LOGGING STARTED......11/23/04 at 10:21:00
TOTAL LOGGING TIME...0 DAYS 00:50:17
LOGGING STOPPED......11/23/04 at 11:11:17
TOTAL INTERVALS......51
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....11/23/04 AT 08:44:10
PRE-TEST CALIBRATION RANGE...40.1 TO 140.1 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE

<<< SUMMARY REPORT FOR TEST NUMBER 1 OF 5 >>>

EXCHANGE RATE..........3dB
CUTOFFS................. 80dB  90dB
CEILING................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  63.6dB
Lav ( 80).......  53.2dB
Lav ( 90).......  40.1dB
SEL.............  98.2dB

TWA.............  53.8dB
TWA ( 80).......  43.5dB
TWA ( 90).......  40.1dB

Lmax............  84.3dB  11/23/04 at 10:32:55
Lpk............UNDER RANGE
TIME OVER 115dB...00:00:00.00

DOSE ( 80)........     0.00%
PROJ. DOSE ( 80)..     0.00%
DOSE ( 90)........     0.00%
PROJ. DOSE ( 90)..     0.00%
```

<<< TIME HISTORY REPORT FOR TEST NUMBER 1 OF 5 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
11/23/04					
10:21:00	63.3	67.1	UNDER	65.1	57.1
10:22:00	61.2	65.5	UNDER	63.1	55.1
10:23:00	61.5	64.1	UNDER	63.1	53.1
10:24:00	63.6	70.4	UNDER	67.1	55.1
10:25:00	62.9	66.9	UNDER	65.1	57.1
10:26:00	62.4	66.4	UNDER	64.1	59.1
10:27:00	56.5	61.8	UNDER	60.1	52.1
10:28:00	66.0	72.7	UNDER	70.1	61.1
10:29:00	59.9	63.6	UNDER	62.1	53.1
10:30:00	63.1	66.0	UNDER	65.1	60.1
10:31:00	59.8	64.4	UNDER	63.1	53.1
10:32:00	72.0	84.3	UNDER	76.1	59.1
10:33:00	61.8	71.9	UNDER	64.1	53.1
10:34:00	64.8	72.9	UNDER	69.1	54.1
10:35:00	62.9	67.5	UNDER	65.1	53.1
10:36:00	63.2	69.2	UNDER	66.1	55.1
10:37:00	61.8	64.7	UNDER	63.1	59.1
10:38:00	61.1	65.5	UNDER	64.1	54.1
10:39:00	63.5	67.2	UNDER	66.1	59.1
10:40:00	61.1	66.3	UNDER	63.1	56.1
10:41:00	64.4	67.2	UNDER	66.1	61.1
10:42:00	63.2	66.8	UNDER	65.1	59.1
10:43:00	64.2	67.2	UNDER	66.1	59.1
10:44:00	62.7	69.9	UNDER	65.1	58.1
10:45:00	64.7	67.9	UNDER	66.1	61.1
10:46:00	63.2	67.1	UNDER	66.1	56.1
10:47:00	61.2	68.3	UNDER	65.1	54.1
10:48:00	65.8	74.4	UNDER	67.1	61.1
10:49:00	60.3	64.3	UNDER	62.1	57.1
10:50:00	64.1	66.2	UNDER	65.1	62.1
10:51:00	56.9	61.1	UNDER	58.1	54.1
10:52:00	64.9	69.1	UNDER	67.1	62.1
10:53:00	60.6	64.0	UNDER	63.1	55.1
10:54:00	62.5	66.8	UNDER	64.1	58.1
10:55:00	61.9	67.5	UNDER	65.1	57.1
10:56:00	63.8	67.1	UNDER	65.1	59.1
10:57:00	63.3	70.4	UNDER	66.1	53.1
10:58:00	62.0	65.5	UNDER	64.1	56.1
10:59:00	64.2	69.6	UNDER	67.1	58.1
11:00:00	62.3	71.8	UNDER	65.1	54.1
11:01:00	67.0	74.5	UNDER	70.1	63.1
11:02:00	61.0	67.9	UNDER	65.1	54.1
11:03:00	65.0	69.5	UNDER	67.1	60.1
11:04:00	59.5	66.4	UNDER	61.1	55.1
11:05:00	63.3	67.2	UNDER	66.1	57.1
11:06:00	60.5	67.9	UNDER	64.1	55.1
11:07:00	65.7	71.1	UNDER	69.1	55.1
11:08:00	58.5	63.1	UNDER	61.1	53.1
11:09:00	62.0	65.6	UNDER	65.1	52.1
11:10:00	62.6	66.4	UNDER	65.1	53.1

11:11:00	65.0	67.2	UNDER	66.1	62.1

```
**********************************************************************
Filename..............SGRD5913
Test Location.........7814 BRIARDALE TERRACE  - R 1-4
Employee Name.........MJM, LAA
Employee Number........
Date..................11/23/04 (traffic count 10:37AM-10:57AM)
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 5913
REPORT PRINTED ON 11/24/04 at 16:10:58
User ID: _____________________________

The Wilson T. Ballard Co

LOGGING STARTED......11/23/04 at 10:17:00
TOTAL LOGGING TIME...0 DAYS 00:53:53
LOGGING STOPPED......11/23/04 at 11:10:53
TOTAL INTERVALS......54
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....11/23/04 AT 08:43:22
PRE-TEST CALIBRATION RANGE...40.2 TO 140.2 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE

<<< SUMMARY REPORT FOR TEST NUMBER 1 OF 5 >>>

EXCHANGE RATE..........3dB
CUTOFFS.................. 80dB  90dB
CEILING.................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  58.8dB
Lav ( 80).......  40.2dB
Lav ( 90).......  40.2dB
SEL.............  93.8dB

TWA.............  49.3dB
TWA ( 80).......  40.2dB
TWA ( 90).......  40.2dB

Lmax............  71.3dB  11/23/04 at 10:32:58
Lpk............UNDER RANGE
TIME OVER 115dB...00:00:00.00

DOSE ( 80)........     0.00%
PROJ. DOSE ( 80)..     0.00%
DOSE ( 90)........     0.00%
PROJ. DOSE ( 90)..     0.00%
```

<<< TIME HISTORY REPORT FOR TEST NUMBER 1 OF 5 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
11/23/04					
10:17:00	59.9	64.1	UNDER	61.2	57.2
10:18:00	54.7	59.8	UNDER	58.2	48.2
10:19:00	59.4	62.1	UNDER	60.2	57.2
10:20:00	56.0	59.6	UNDER	59.2	48.2
10:21:00	58.4	61.7	UNDER	61.2	48.2
10:22:00	56.2	60.5	UNDER	59.2	47.2
10:23:00	56.8	58.9	UNDER	58.2	49.2
10:24:00	59.5	65.3	UNDER	63.2	50.2
10:25:00	58.2	61.6	UNDER	60.2	54.2
10:26:00	57.9	60.5	UNDER	60.2	55.2
10:27:00	52.8	57.6	UNDER	56.2	48.2
10:28:00	61.5	67.2	UNDER	65.2	57.2
10:29:00	55.5	59.1	UNDER	58.2	47.2
10:30:00	58.9	61.6	UNDER	60.2	56.2
10:31:00	55.6	59.3	UNDER	58.2	47.2
10:32:00	62.7	71.3	UNDER	69.2	56.2
10:33:00	60.3	69.8	UNDER	64.2	50.2
10:34:00	60.1	67.8	UNDER	64.2	48.2
10:35:00	58.5	61.3	UNDER	60.2	48.2
10:36:00	58.5	63.7	UNDER	62.2	51.2
10:37:00	57.6	60.8	UNDER	59.2	52.2
10:38:00	57.0	62.8	UNDER	59.2	50.2
10:39:00	58.2	62.7	UNDER	60.2	54.2
10:40:00	56.7	62.1	UNDER	61.2	49.2
10:41:00	59.3	62.4	UNDER	61.2	56.2
10:42:00	58.4	62.2	UNDER	60.2	53.2
10:43:00	59.2	61.3	UNDER	61.2	52.2
10:44:00	58.4	64.7	UNDER	61.2	50.2
10:45:00	62.5	68.8	UNDER	65.2	59.2
10:46:00	59.7	64.0	UNDER	62.2	53.2
10:47:00	57.0	65.2	UNDER	61.2	49.2
10:48:00	61.3	66.0	UNDER	63.2	56.2
10:49:00	56.3	60.8	UNDER	58.2	54.2
10:50:00	59.5	61.6	UNDER	61.2	57.2
10:51:00	53.1	58.8	UNDER	56.2	49.2
10:52:00	60.5	65.3	UNDER	62.2	58.2
10:53:00	57.0	60.1	UNDER	59.2	52.2
10:54:00	58.4	62.4	UNDER	61.2	53.2
10:55:00	58.0	61.4	UNDER	60.2	52.2
10:56:00	60.6	65.6	UNDER	62.2	54.2
10:57:00	59.3	64.9	UNDER	63.2	50.2
10:58:00	57.4	61.3	UNDER	60.2	51.2
10:59:00	60.3	65.9	UNDER	64.2	54.2
11:00:00	58.0	62.1	UNDER	60.2	50.2
11:01:00	61.6	67.3	UNDER	64.2	58.2
11:02:00	55.7	62.4	UNDER	61.2	47.2
11:03:00	61.0	65.0	UNDER	64.2	55.2
11:04:00	54.5	60.9	UNDER	58.2	46.2
11:05:00	58.9	63.7	UNDER	62.2	48.2
11:06:00	55.6	62.4	UNDER	61.2	48.2

11:07:00	61.3	67.7	UNDER	66.2	50.2
11:08:00	56.1	60.1	UNDER	58.2	53.2
11:09:00	57.0	61.6	UNDER	60.2	47.2
11:10:00	58.5	62.8	UNDER	61.2	48.2

```
**********************************************************************
Filename..............SGRD5913
Test Location.........17005 TEAL COURT - R 2A-1
Employee Name.........MJM, LAA
Employee Number........
Date..................11/23/04 (traffic count 2:02PM-2:22PM)
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 5913
REPORT PRINTED ON 11/24/04 at 16:16:49
User ID: _____________________________

The Wilson T. Ballard Co

LOGGING STARTED......11/23/04 at 13:47:00
TOTAL LOGGING TIME...0 DAYS 00:39:08
LOGGING STOPPED......11/23/04 at 14:26:08
TOTAL INTERVALS......40
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....11/23/04 AT 08:43:22
PRE-TEST CALIBRATION RANGE...40.2 TO 140.2 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE

<<< SUMMARY REPORT FOR TEST NUMBER 4 OF 5 >>>

EXCHANGE RATE..........3dB
CUTOFFS.................. 80dB  90dB
CEILING................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  59.7dB
Lav ( 80)......  40.2dB
Lav ( 90)......  40.2dB
SEL.............  93.3dB

TWA.............  48.8dB
TWA ( 80)......  40.2dB
TWA ( 90)......  40.2dB

Lmax............  69.1dB  11/23/04 at 13:53:56
Lpk............UNDER RANGE
TIME OVER 115dB...00:00:00.00

DOSE ( 80)........     0.00%
PROJ. DOSE ( 80)..     0.00%
DOSE ( 90)........     0.00%
PROJ. DOSE ( 90)..     0.00%
```

<<< TIME HISTORY REPORT FOR TEST NUMBER 4 OF 5 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
11/23/04					
13:47:00	56.0	61.1	UNDER	59.2	53.2
13:47:59	62.1	64.8	UNDER	64.2	60.2
13:48:58	56.6	62.5	UNDER	61.2	52.2
13:49:57	60.5	63.2	UNDER	62.2	55.2
13:50:56	57.9	64.1	UNDER	62.2	50.2
13:51:55	59.8	62.5	UNDER	61.2	56.2
13:52:54	61.5	69.1	UNDER	66.2	51.2
13:53:53	61.5	66.9	UNDER	65.2	51.2
13:54:52	57.2	62.7	UNDER	61.2	50.2
13:55:51	56.6	64.1	UNDER	61.2	51.2
13:56:50	61.3	64.1	UNDER	63.2	52.2
13:57:49	56.6	63.0	UNDER	61.2	51.2
13:58:48	61.9	65.7	UNDER	64.2	59.2
13:59:47	55.9	64.4	UNDER	60.2	51.2
14:00:46	61.7	64.3	UNDER	63.2	59.2
14:01:45	56.8	62.8	UNDER	61.2	49.2
14:02:44	60.1	63.6	UNDER	62.2	53.2
14:03:43	59.4	64.0	UNDER	62.2	50.2
14:04:42	60.5	64.5	UNDER	63.2	52.2
14:05:41	59.7	62.5	UNDER	62.2	52.2
14:06:40	58.4	62.9	UNDER	62.2	53.2
14:07:39	62.2	66.0	UNDER	64.2	50.2
14:08:38	55.4	61.2	UNDER	60.2	46.2
14:09:37	59.8	62.5	UNDER	61.2	55.2
14:10:36	55.4	60.1	UNDER	59.2	49.2
14:11:35	60.0	64.0	UNDER	62.2	58.2
14:12:34	57.2	64.1	UNDER	61.2	49.2
14:13:33	61.5	65.7	UNDER	64.2	52.2
14:14:32	57.2	61.7	UNDER	61.2	50.2
14:15:31	57.2	61.3	UNDER	60.2	51.2
14:16:30	59.7	63.2	UNDER	62.2	49.2
14:17:29	61.0	68.5	UNDER	65.2	51.2
14:18:28	60.2	64.2	UNDER	62.2	49.2
14:19:27	55.6	62.4	UNDER	60.2	49.2
14:20:26	61.3	64.3	UNDER	63.2	56.2
14:21:25	54.9	58.9	UNDER	57.2	48.2
14:22:24	62.1	65.9	UNDER	64.2	60.2
14:23:23	59.0	66.7	UNDER	64.2	50.2
14:24:22	62.3	66.5	UNDER	65.2	55.2
14:25:21	59.0	65.6	UNDER	58.2	56.2

```
**********************************************************************
Filename.............SGRD2572
Test Location.........7700 RYDAL TERRACE - R 2A-2
Employee Name.........MJM, LAA
Employee Number........
Date..................11/23/04 (traffic count 2:02PM-2:22PM)
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 2572
REPORT PRINTED ON 11/24/04 at 15:20:30
User ID: _____________________________

The Wilson T. Ballard Co

LOGGING STARTED......11/23/04 at 13:52:00
TOTAL LOGGING TIME...0 DAYS 00:35:58
LOGGING STOPPED......11/23/04 at 14:27:58
TOTAL INTERVALS......36
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....11/23/04 AT 08:45:07
PRE-TEST CALIBRATION RANGE...38.5 TO 138.5 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE

<<< SUMMARY REPORT FOR TEST NUMBER 4 OF 5 >>>

EXCHANGE RATE..........3dB
CUTOFFS................. 80dB  90dB
CEILING................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  64.0dB
Lav ( 80).......  38.5dB
Lav ( 90).......  38.5dB
SEL.............  97.2dB

TWA.............  52.7dB
TWA ( 80).......  38.5dB
TWA ( 90).......  38.5dB

Lmax............  72.4dB  11/23/04 at 14:08:34
Lpk............UNDER RANGE
TIME OVER 115dB...00:00:00.00

DOSE ( 80)........     0.00%
PROJ. DOSE ( 80)..     0.00%
DOSE ( 90)........     0.00%
PROJ. DOSE ( 90)..     0.00%
```

<<< TIME HISTORY REPORT FOR TEST NUMBER 4 OF 5 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
11/23/04					
13:52:00	64.3	67.8	UNDER	66.5	61.5
13:53:00	64.7	69.0	UNDER	68.5	59.5
13:54:00	65.8	69.6	UNDER	69.5	61.5
13:55:00	61.5	65.4	UNDER	63.5	57.5
13:56:00	61.5	65.8	UNDER	64.5	57.5
13:57:00	64.3	69.1	UNDER	67.5	59.5
13:58:00	62.1	66.7	UNDER	65.5	58.5
13:59:00	64.9	68.2	UNDER	67.5	61.5
14:00:00	61.2	63.6	UNDER	62.5	58.5
14:01:00	65.0	68.5	UNDER	66.5	62.5
14:02:00	63.4	70.7	UNDER	66.5	58.5
14:03:00	64.0	67.7	UNDER	66.5	61.5
14:04:00	64.0	70.8	UNDER	68.5	55.5
14:05:00	65.2	68.8	UNDER	67.5	59.5
14:06:00	63.7	68.8	UNDER	67.5	56.5
14:07:00	63.5	66.0	UNDER	65.5	59.5
14:08:00	66.5	72.4	UNDER	71.5	59.5
14:09:00	61.7	65.4	UNDER	64.5	55.5
14:10:00	64.5	70.4	UNDER	67.5	57.5
14:11:00	61.1	65.7	UNDER	64.5	53.5
14:12:00	64.0	67.0	UNDER	66.5	60.5
14:13:00	61.8	66.6	UNDER	64.5	55.5
14:14:00	65.4	69.8	UNDER	67.5	61.5
14:15:00	60.2	63.8	UNDER	62.5	56.5
14:16:00	63.4	67.8	UNDER	66.5	58.5
14:17:00	64.4	69.0	UNDER	67.5	54.5
14:18:00	65.0	71.2	UNDER	68.5	60.5
14:19:00	63.1	67.1	UNDER	65.5	54.5
14:20:00	62.8	68.2	UNDER	66.5	58.5
14:21:00	64.6	68.2	UNDER	66.5	56.5
14:22:00	60.7	64.5	UNDER	63.5	55.5
14:23:00	66.1	70.3	UNDER	68.5	63.5
14:24:00	64.2	69.4	UNDER	66.5	58.5
14:25:00	66.1	69.4	UNDER	67.5	63.5
14:26:00	64.1	71.4	UNDER	66.5	57.5
14:27:00	63.4	65.9	UNDER	64.5	61.5

```
**********************************************************************
Filename..............SGRD5912
Test Location.........7700 POLARA PLACE - R 2A-3
Employee Name.........MJM, LAA
Employee Number........
Date..................11/23/04 (traffic count 2:02PM-2:22PM)
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 5912
REPORT PRINTED ON 11/24/04 at 16:04:51
User ID: _____________________________

The Wilson T. Ballard Co

LOGGING STARTED......11/23/04 at 13:58:00
TOTAL LOGGING TIME...0 DAYS 00:32:34
LOGGING STOPPED......11/23/04 at 14:30:34
TOTAL INTERVALS......33
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....11/23/04 AT 08:44:10
PRE-TEST CALIBRATION RANGE...40.1 TO 140.1 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE

<<< SUMMARY REPORT FOR TEST NUMBER 4 OF 5 >>>

EXCHANGE RATE..........3dB
CUTOFFS................. 80dB  90dB
CEILING................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  56.2dB
Lav ( 80).......  40.1dB
Lav ( 90).......  40.1dB
SEL.............  89.0dB

TWA.............  44.6dB
TWA ( 80).......  40.1dB
TWA ( 90).......  40.1dB

Lmax............  70.4dB  11/23/04 at 14:26:19
Lpk............UNDER RANGE
TIME OVER 115dB...00:00:00.00

DOSE ( 80)........     0.00%
PROJ. DOSE ( 80)..     0.00%
DOSE ( 90)........     0.00%
PROJ. DOSE ( 90)..     0.00%
```

<<< TIME HISTORY REPORT FOR TEST NUMBER 4 OF 5 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
11/23/04					
13:58:00	55.9	57.7	UNDER	57.1	53.1
13:59:00	58.1	63.3	UNDER	61.1	50.1
14:00:00	55.6	57.8	UNDER	57.1	51.1
14:01:00	55.1	58.3	UNDER	57.1	51.1
14:02:00	55.5	60.7	UNDER	58.1	50.1
14:03:00	55.5	57.9	UNDER	57.1	53.1
14:04:00	56.9	62.3	UNDER	60.1	49.1
14:05:00	57.5	60.3	UNDER	59.1	55.1
14:06:00	56.0	61.2	UNDER	59.1	49.1
14:07:00	56.0	59.5	UNDER	59.1	52.1
14:08:00	55.8	58.0	UNDER	57.1	53.1
14:09:00	53.8	55.9	UNDER	55.1	48.1
14:10:00	54.5	57.6	UNDER	56.1	51.1
14:11:00	54.1	57.9	UNDER	57.1	48.1
14:12:00	54.9	57.9	UNDER	57.1	50.1
14:13:00	55.7	60.0	UNDER	59.1	47.1
14:14:00	56.7	59.9	UNDER	58.1	53.1
14:15:00	53.1	58.7	UNDER	55.1	49.1
14:16:00	55.1	57.8	UNDER	57.1	52.1
14:17:00	55.5	58.8	UNDER	57.1	49.1
14:18:00	57.1	63.6	UNDER	59.1	53.1
14:19:00	53.9	57.1	UNDER	56.1	49.1
14:20:00	56.1	59.9	UNDER	58.1	51.1
14:21:00	55.6	59.2	UNDER	57.1	50.1
14:22:00	54.2	56.7	UNDER	56.1	52.1
14:23:00	57.1	61.1	UNDER	59.1	55.1
14:24:00	58.2	62.4	UNDER	60.1	52.1
14:25:00	57.8	62.0	UNDER	60.1	55.1
14:26:00	61.0	70.4	UNDER	65.1	49.1
14:27:00	55.8	58.7	UNDER	57.1	53.1
14:28:00	55.0	59.1	UNDER	57.1	48.1
14:29:00	56.0	60.4	UNDER	58.1	52.1
14:30:00	56.9	67.0	UNDER	57.1	52.1

```
**********************************************************************
Filename..............SGRD5912
Test Location.........17113 BERCLAIR TERRACE - R 2B-1
Employee Name.........MJM, LAA
Employee Number........
Date..................11/23/04 (traffic count 2:56PM-3:16PM)
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 5912
REPORT PRINTED ON 11/24/04 at 16:07:27
User ID: _____

The Wilson T. Ballard Co

LOGGING STARTED......11/23/04 at 14:40:00
TOTAL LOGGING TIME...0 DAYS 00:41:24
LOGGING STOPPED......11/23/04 at 15:21:24
TOTAL INTERVALS......42
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....11/23/04 AT 08:44:10
PRE-TEST CALIBRATION RANGE...40.1 TO 140.1 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE

<<< SUMMARY REPORT FOR TEST NUMBER 5 OF 5 >>>

EXCHANGE RATE..........3dB
CUTOFFS................. 80dB  90dB
CEILING................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  66.4dB
Lav ( 80)......  50.6dB
Lav ( 90)......  40.1dB
SEL............. 100.2dB

TWA.............  55.8dB
TWA ( 80)......  40.1dB
TWA ( 90)......  40.1dB

Lmax............  85.2dB  11/23/04 at 14:57:46
Lpk............. 124.1dB  11/23/04 at 14:57:46
TIME OVER 115dB...00:00:00.00

DOSE ( 80)........    0.00%
PROJ. DOSE ( 80)..    0.00%
DOSE ( 90)........    0.00%
PROJ. DOSE ( 90)..    0.00%
```

<<< TIME HISTORY REPORT FOR TEST NUMBER 5 OF 5 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
11/23/04					
14:40:00	68.2	74.4	UNDER	70.1	61.1
14:41:00	62.4	70.7	UNDER	65.1	53.1
14:42:00	67.2	70.7	UNDER	69.1	61.1
14:43:00	63.6	68.7	UNDER	66.1	56.1
14:44:00	66.7	72.4	UNDER	70.1	60.1
14:45:00	64.4	68.5	UNDER	67.1	60.1
14:46:00	64.7	69.6	UNDER	68.1	55.1
14:47:00	66.1	72.0	UNDER	69.1	52.1
14:48:00	66.3	71.9	UNDER	70.1	55.1
14:49:00	66.4	72.5	UNDER	69.1	60.1
14:50:00	67.1	74.0	UNDER	71.1	59.1
14:51:00	65.9	69.7	UNDER	68.1	60.1
14:52:00	64.9	74.8	UNDER	67.1	55.1
14:53:00	69.1	73.6	UNDER	71.1	59.1
14:54:00	61.0	67.2	UNDER	64.1	52.1
14:55:00	67.7	71.3	UNDER	70.1	59.1
14:56:00	63.7	68.7	UNDER	66.1	58.1
14:57:00	70.4	85.2	124.1	70.1	59.1
14:58:00	65.6	68.8	UNDER	68.1	58.1
14:59:00	62.7	67.5	UNDER	65.1	54.1
15:00:00	66.4	70.8	UNDER	69.1	60.1
15:01:00	62.6	68.4	UNDER	66.1	52.1
15:02:00	68.0	73.9	UNDER	71.1	62.1
15:03:00	63.5	70.2	UNDER	67.1	55.1
15:04:00	67.6	73.6	UNDER	70.1	61.1
15:05:00	63.8	68.1	UNDER	67.1	49.1
15:06:00	64.8	69.2	UNDER	69.1	45.1
15:07:00	67.7	74.9	UNDER	69.1	63.1
15:08:00	56.7	65.6	UNDER	62.1	46.1
15:09:00	68.3	72.8	UNDER	70.1	63.1
15:10:00	66.0	71.3	UNDER	69.1	51.1
15:11:00	64.8	70.9	UNDER	69.1	54.1
15:12:00	68.0	71.9	UNDER	70.1	65.1
15:13:00	60.6	65.2	UNDER	63.1	47.1
15:14:00	68.5	73.9	UNDER	71.1	60.1
15:15:00	64.8	69.9	UNDER	67.1	59.1
15:16:00	67.4	77.5	UNDER	70.1	55.1
15:17:00	68.2	71.2	UNDER	70.1	66.1
15:18:00	60.9	68.0	UNDER	66.1	50.1
15:19:00	71.3	78.5	UNDER	75.1	64.1
15:20:00	64.5	67.9	UNDER	67.1	61.1
15:21:00	64.7	73.1	UNDER	70.1	48.1

```
**********************************************************************
Filename..............SGRD5913
Test Location.........17124 BERCLAIR TERRACE - R 2B-2
Employee Name.........MJM, LAA
Employee Number.......
Date..................11/23/04 (traffic count 2:56PM-3:16PM)
Calibrator Type.......
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 5913
REPORT PRINTED ON 11/24/04 at 16:19:23
User ID: _____

The Wilson T. Ballard Co

LOGGING STARTED......11/23/04 at 14:42:00
TOTAL LOGGING TIME...0 DAYS 00:38:20
LOGGING STOPPED......11/23/04 at 15:20:20
TOTAL INTERVALS......39
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....11/23/04 AT 08:43:22
PRE-TEST CALIBRATION RANGE...40.2 TO 140.2 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE

<<< SUMMARY REPORT FOR TEST NUMBER 5 OF 5 >>>

EXCHANGE RATE..........3dB
CUTOFFS.................. 80dB  90dB
CEILING................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  55.5dB
Lav ( 80).......  40.2dB
Lav ( 90).......  40.2dB
SEL.............  89.0dB

TWA.............  44.5dB
TWA ( 80).......  40.2dB
TWA ( 90).......  40.2dB

Lmax............  70.5dB  11/23/04 at 14:43:48
Lpk............UNDER RANGE
TIME OVER 115dB...00:00:00.00

DOSE ( 80)........     0.00%
PROJ. DOSE ( 80)..     0.00%
DOSE ( 90)........     0.00%
PROJ. DOSE ( 90)..     0.00%
```

<<< TIME HISTORY REPORT FOR TEST NUMBER 5 OF 5 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
11/23/04					
14:42:00	56.4	59.2	UNDER	58.2	53.2
14:42:59	56.5	70.5	UNDER	56.2	49.2
14:43:58	55.6	60.3	UNDER	58.2	50.2
14:44:57	54.9	60.9	UNDER	57.2	50.2
14:45:56	52.5	56.5	UNDER	55.2	49.2
14:46:55	54.3	59.6	UNDER	57.2	47.2
14:47:54	54.5	59.2	UNDER	57.2	50.2
14:48:53	55.6	59.5	UNDER	58.2	50.2
14:49:52	56.8	63.7	UNDER	59.2	51.2
14:50:51	55.0	58.5	UNDER	57.2	50.2
14:51:50	53.8	61.2	UNDER	57.2	48.2
14:52:49	57.1	60.1	UNDER	59.2	51.2
14:53:48	51.0	57.1	UNDER	54.2	46.2
14:54:47	55.8	58.8	UNDER	57.2	51.2
14:55:46	53.2	59.3	UNDER	55.2	50.2
14:56:45	54.8	58.6	UNDER	56.2	51.2
14:57:44	54.0	57.7	UNDER	56.2	49.2
14:58:43	51.7	54.7	UNDER	53.2	49.2
14:59:42	56.0	60.1	UNDER	58.2	50.2
15:00:41	54.0	61.4	UNDER	56.2	48.2
15:01:40	56.8	62.4	UNDER	60.2	49.2
15:02:39	54.1	59.6	UNDER	57.2	49.2
15:03:38	56.6	61.7	UNDER	59.2	51.2
15:04:37	53.2	56.1	UNDER	55.2	46.2
15:05:36	52.5	56.9	UNDER	56.2	44.2
15:06:35	55.3	58.0	UNDER	56.2	53.2
15:07:34	48.9	52.7	UNDER	52.2	44.2
15:08:33	56.4	61.1	UNDER	58.2	50.2
15:09:32	55.3	59.2	UNDER	57.2	48.2
15:10:31	53.2	58.1	UNDER	56.2	47.2
15:11:30	56.5	60.4	UNDER	58.2	53.2
15:12:29	51.4	56.9	UNDER	54.2	46.2
15:13:28	56.9	59.7	UNDER	59.2	50.2
15:14:27	56.1	62.0	UNDER	58.2	52.2
15:15:26	55.5	61.0	UNDER	59.2	49.2
15:16:25	58.5	64.8	UNDER	60.2	56.2
15:17:24	54.4	59.2	UNDER	57.2	48.2
15:18:23	60.3	65.0	UNDER	63.2	54.2
15:19:22	61.0	64.9	UNDER	64.2	58.2

```
**********************************************************************
Filename..............SGRD2572
Test Location.........7501 EPSILON DRIVE - R 3-1
Employee Name.........MJM, LAA
Employee Number........
Date..................11/23/04 (traffic count 2:56PM-3:16PM)
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 2572
REPORT PRINTED ON 11/24/04 at 15:29:18
User ID: _____________________________

The Wilson T. Ballard Co

LOGGING STARTED......11/23/04 at 14:55:00
TOTAL LOGGING TIME...0 DAYS 00:22:35
LOGGING STOPPED......11/23/04 at 15:17:35
TOTAL INTERVALS......23
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....11/23/04 AT 08:45:07
PRE-TEST CALIBRATION RANGE...38.5 TO 138.5 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE

<<< SUMMARY REPORT FOR TEST NUMBER 5 OF 5 >>>

EXCHANGE RATE..........3dB
CUTOFFS.................. 80dB  90dB
CEILING................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  67.8dB
Lav ( 80).......  47.4dB
Lav ( 90).......  38.5dB
SEL.............  99.0dB

TWA.............  54.5dB
TWA ( 80).......  38.5dB
TWA ( 90).......  38.5dB

Lmax............  81.0dB  11/23/04 at 15:16:39
Lpk............UNDER RANGE
TIME OVER 115dB...00:00:00.00

DOSE ( 80)........     0.00%
PROJ. DOSE ( 80)..     0.00%
DOSE ( 90)........     0.00%
PROJ. DOSE ( 90)..     0.00%
```

<<< TIME HISTORY REPORT FOR TEST NUMBER 5 OF 5 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
11/23/04					
14:55:00	70.6	75.0	UNDER	73.5	64.5
14:55:59	64.3	71.0	UNDER	69.5	54.5
14:56:58	67.6	70.2	UNDER	69.5	64.5
14:57:57	65.8	71.6	UNDER	70.5	51.5
14:58:56	63.1	67.8	UNDER	66.5	52.5
14:59:55	69.4	75.2	UNDER	73.5	50.5
15:00:54	65.4	70.2	UNDER	69.5	53.5
15:01:53	70.0	77.6	UNDER	73.5	53.5
15:02:52	67.3	74.3	UNDER	70.5	59.5
15:03:51	69.5	74.6	UNDER	72.5	56.5
15:04:50	64.8	69.8	UNDER	68.5	46.5
15:05:49	64.8	73.0	UNDER	69.5	47.5
15:06:48	69.4	77.1	UNDER	72.5	63.5
15:07:47	60.5	66.8	UNDER	65.5	45.5
15:08:46	69.2	74.6	UNDER	71.5	55.5
15:09:45	67.5	71.0	UNDER	70.5	57.5
15:10:44	66.7	74.7	UNDER	70.5	52.5
15:11:43	68.9	74.3	UNDER	72.5	63.5
15:12:42	63.5	71.0	UNDER	67.5	50.5
15:13:41	68.9	73.1	UNDER	71.5	62.5
15:14:40	67.0	71.0	UNDER	68.5	61.5
15:15:39	70.5	81.0	UNDER	75.5	59.5
15:16:38	68.6	73.0	UNDER	71.5	65.5

```
**************************************************************************
Filename.......SGRD1875
Location.......17208 BERCLAIR TERRACE
Receptor.......R 3-2
Date...........11/23/04 (traffic count 2:56PM-3:16PM)

Personnel......MJM, LAA
**************************************************************************

METROSONICS db-308 SN 1875 V2.3  3/87

CURRENT DATE: 11/23/04
CURRENT TIME: 17:09:50

CALIBRATED:  11/23/04  @   8:47:52

DISPLAY RANGE:  43.0dB TO 139.0dB

DOUBLING RATE:  3 dB

FILTER: A WGHT

RESPONSE:  SLOW

SCHEDULED RUN: OFF

   START DATE: 1/01/85
   START TIME: 0:00:00
   LENGTH:     1:00:00


** OVERALL REPORT **

TEST STARTING DATE:  11/23/04
TEST STARTING TIME:  10:04:54
TEST LENGTH:     0DAYS  2:37:03

Lav    = 67.8dB
Lav  80= 59.8dB
Lav  90= 58.4dB
SEL    =107.4dB

Lmax = 94.6dB  ON 11/23/04 @ 10:32:49
Lpk  =  134dB  ON 11/23/04 @ 10:04:56

TIME OVER 115dB  0D  0:00:00.00

DOSE CRITERION:  90dB

 8 HR DOSE ( 80dB CUTOFF)=  0.03%
 8 HR PROJ. DOSE ( 80dB CUTOFF)=  0.09%
 8 HR DOSE ( 90dB CUTOFF)=  0.02%
 8 HR PROJ. DOSE ( 90dB CUTOFF)=  0.06%
```

** TIME HISTORY REPORT **

MODE: CONTINUOUS
PERIOD LENGTH: 0:01:00
TIME HISTORY CUTOFF: NONE
Ln(1): 10.0% Ln(2): 90.0%

INT# TAG#	START TIME	Lav ET	Lmax L1	Lpk L2
132	11/23/04	57.1	60.4	<118
0	14:51:03	0:01:00	59	48
133	11/23/04	55.1	61.0	<118
0	14:52:03	0:01:00	57	51
134	11/23/04	59.3	64.2	<118
0	14:53:03	0:01:00	62	50
135	11/23/04	57.3	69.6	<118
0	14:54:03	0:01:00	59	48
136	11/23/04	58.1	64.2	<118
0	14:55:03	0:01:00	60	53
137	11/23/04	59.1	65.6	123
0	14:56:03	0:01:00	63	51
138	11/23/04	59.2	66.8	<118
0	14:57:03	0:01:00	62	54
139	11/23/04	55.7	59.8	<118
0	14:58:03	0:01:00	58	48
140	11/23/04	52.3	55.4	120
0	14:59:03	0:01:00	54	48
141	11/23/04	58.5	63.4	<118
0	15:00:03	0:01:00	62	48
142	11/23/04	55.6	62.7	<118
0	15:01:03	0:01:00	59	50
143	11/23/04	59.0	64.4	<118
0	15:02:03	0:01:00	62	48
144	11/23/04	56.1	64.4	<118
0	15:03:03	0:01:00	59	48
145	11/23/04	61.2	66.6	<118
0	15:04:03	0:01:00	64	54
146	11/23/04	61.1	66.8	<118
0	15:05:03	0:01:00	65	49

147	11/23/04	57.8	66.3	<118	
0	15:06:03	0:01:00	61	50	
148	11/23/04	56.2	61.4	<118	
0	15:07:03	0:01:00	58	53	
149	11/23/04	52.3	56.5	121	
0	15:08:03	0:01:00	54	46	
150	11/23/04	57.5	59.9	<118	
0	15:09:03	0:01:00	59	54	
151	11/23/04	58.4	65.3	<118	
0	15:10:03	0:01:00	62	47	
152	11/23/04	54.4	60.0	125	
0	15:11:03	0:01:00	57	48	
153	11/23/04	58.7	64.4	<118	
0	15:12:03	0:01:00	62	53	
154	11/23/04	53.3	58.1	<118	
0	15:13:03	0:01:00	56	48	
155	11/23/04	57.0	59.2	<118	
0	15:14:03	0:01:00	58	55	
156	11/23/04	56.0	61.4	<118	
0	15:15:03	0:01:00	57	48	
157	11/23/04	57.3	62.4	<118	
0	15:16:03	0:01:00	60	51	
158	11/23/04	58.1	60.0	<118	
0	15:17:03	0:01:00	59	56	

```
**********************************************************************
Filename.............SGR12972
Test Location.........17225 Berclair Terrace (R 3-3)
Employee Name.........MJM, LAA
Employee Number........
Date..................12/9/04 (traffic count 9:31AM-9:51AM)
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 2572
REPORT PRINTED ON 12/09/04 at 15:48:03

User ID: _____________________________

The Wilson T. Ballard Co




LOGGING STARTED......12/09/04 at 09:14:00
TOTAL LOGGING TIME...0 DAYS 00:48:52
LOGGING STOPPED......12/09/04 at 10:02:52
TOTAL INTERVALS......49
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....12/09/04 AT 07:23:21
PRE-TEST CALIBRATION RANGE...38.6 TO 138.6 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE


<<< SUMMARY REPORT FOR TEST NUMBER 1 OF 5 >>>

EXCHANGE RATE..........3dB
CUTOFFS................ 80dB  90dB
CEILING................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  73.5dB
Lav ( 80)......  65.9dB
Lav ( 90)......  62.6dB
SEL............. 108.0dB

TWA.............  63.6dB
TWA ( 80)......  56.1dB
TWA ( 90)......  52.7dB

Lmax............  94.5dB  12/09/04 at 09:14:54
Lpk............. 109.9dB  12/09/04 at 09:53:14
```

TIME OVER 115dB...00:00:00.00

DOSE (80).....	0.03%
PROJ. DOSE (80)..	0.29%
DOSE (90).....	0.01%
PROJ. DOSE (90)..	0.09%

<<< TIME HISTORY REPORT FOR TEST NUMBER 1 OF 5 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
12/09/04					
09:14:00	81.3	94.5	109.9	81.6	66.6
09:15:00	74.5	80.7	UNDER	76.6	70.6
09:16:00	74.2	85.1	UNDER	76.6	61.6
09:17:00	75.3	79.5	UNDER	78.6	69.6
09:18:00	73.4	79.5	UNDER	76.6	60.6
09:19:00	74.3	80.7	UNDER	77.6	64.6
09:20:00	70.4	75.8	UNDER	73.6	65.6
09:21:00	71.9	80.8	UNDER	74.6	64.6
09:22:00	74.7	82.9	UNDER	77.6	68.6
09:23:00	72.6	78.8	UNDER	77.6	59.6
09:24:00	73.7	78.9	UNDER	76.6	58.6
09:25:00	72.3	77.9	UNDER	75.6	66.6
09:26:00	71.4	77.2	UNDER	74.6	60.6
09:27:00	74.5	78.3	UNDER	77.6	69.6
09:28:00	70.7	73.9	UNDER	73.6	58.6
09:29:00	76.0	83.1	UNDER	77.6	68.6
09:30:00	72.4	77.9	UNDER	75.6	67.6
09:31:00	70.6	75.2	UNDER	74.6	63.6
09:32:00	73.3	77.9	UNDER	76.6	68.6
09:33:00	71.2	76.3	UNDER	74.6	64.6
09:34:00	72.7	77.8	UNDER	75.6	65.6
09:35:00	71.8	75.9	UNDER	73.6	67.6
09:36:00	71.4	77.6	UNDER	74.6	61.6
09:37:00	71.3	77.1	UNDER	74.6	64.6
09:38:00	73.4	76.7	UNDER	75.6	57.6
09:39:00	72.1	80.5	UNDER	76.6	59.6
09:40:00	75.0	79.6	UNDER	77.6	68.6
09:41:00	69.8	73.6	UNDER	73.6	59.6
09:42:00	76.2	85.1	UNDER	78.6	71.6
09:43:00	72.3	79.0	UNDER	76.6	63.6
09:44:00	72.2	79.1	UNDER	75.6	64.6
09:45:00	72.9	78.3	UNDER	76.6	58.6
09:46:00	72.5	78.3	UNDER	77.6	60.6
09:47:00	74.0	79.9	UNDER	77.6	63.6
09:48:00	70.3	75.5	UNDER	73.6	63.6
09:49:00	73.1	79.1	UNDER	76.6	65.6
09:50:00	67.2	73.1	UNDER	71.6	60.6
09:51:00	72.9	79.5	UNDER	75.6	66.6
09:52:00	69.0	76.0	UNDER	72.6	61.6
09:53:00	77.5	86.3	109.9	81.6	71.6
09:54:00	71.0	78.3	UNDER	74.6	64.6
09:55:00	72.2	77.7	UNDER	75.6	66.6
09:56:00	72.2	79.1	UNDER	75.6	61.6
09:57:00	71.2	75.7	UNDER	74.6	57.6

09:58:00	74.5	80.7	UNDER	77.6	61.6
09:59:00	70.7	78.5	UNDER	74.6	61.6
10:00:00	72.4	76.3	UNDER	74.6	61.6
10:01:00	66.7	72.3	UNDER	71.6	53.6
10:02:00	73.6	79.1	UNDER	76.6	54.6

```
**********************************************************************
Filename..............SGR12972
Test Location.........7500 Tarpley Drive (R 3-4)
Employee Name.........MJM, LAA
Employee Number........
Date..................12/9/04 (traffic count 10:37AM-10:57AM)
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 2572
REPORT PRINTED ON 12/09/04 at 15:48:29

User ID: _____________________________

The Wilson T. Ballard Co



LOGGING STARTED......12/09/04 at 10:07:00
TOTAL LOGGING TIME...0 DAYS 01:09:40
LOGGING STOPPED......12/09/04 at 11:16:40
TOTAL INTERVALS......70
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....12/09/04 AT 07:23:21
PRE-TEST CALIBRATION RANGE...38.6 TO 138.6 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE


<<< SUMMARY REPORT FOR TEST NUMBER 2 OF 5 >>>

EXCHANGE RATE..........3dB
CUTOFFS.................. 80dB  90dB
CEILING.................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  70.3dB
Lav ( 80).......  63.0dB
Lav ( 90).......  56.6dB
SEL.............. 106.4dB

TWA.............  62.0dB
TWA ( 80).......  54.7dB
TWA ( 90).......  48.2dB

Lmax............  92.7dB  12/09/04 at 10:09:28
Lpk............. 112.3dB  12/09/04 at 10:07:40
```

TIME OVER 115dB...00:00:00.00

DOSE (80)..... 0.02%
PROJ. DOSE (80).. 0.13%
DOSE (90)..... 0.00%
PROJ. DOSE (90).. 0.00%

<<< TIME HISTORY REPORT FOR TEST NUMBER 2 OF 5 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
12/09/04					
10:07:00	75.5	89.1	112.3	76.6	59.6
10:08:00	65.7	71.8	UNDER	67.6	61.6
10:09:00	78.8	92.7	108.9	81.6	59.6
10:10:00	66.0	74.2	UNDER	70.6	56.6
10:11:00	74.6	83.9	UNDER	79.6	63.6
10:12:00	64.0	70.3	UNDER	66.6	59.6
10:13:00	71.6	77.9	UNDER	75.6	66.6
10:14:00	67.5	72.7	UNDER	71.6	63.6
10:15:00	72.0	82.3	UNDER	73.6	65.6
10:16:00	67.9	74.7	UNDER	71.6	63.6
10:17:00	68.8	73.2	UNDER	71.6	66.6
10:18:00	70.9	76.3	UNDER	74.6	63.6
10:19:00	68.9	74.0	UNDER	71.6	65.6
10:20:00	72.3	78.1	UNDER	76.6	64.6
10:21:00	68.6	75.5	UNDER	71.6	63.6
10:22:00	69.4	73.7	UNDER	71.6	65.6
10:23:00	67.9	72.7	UNDER	71.6	63.6
10:24:00	70.3	76.8	UNDER	72.6	66.6
10:25:00	68.6	72.4	UNDER	71.6	63.6
10:26:00	71.5	76.7	UNDER	74.6	65.6
10:27:00	70.1	75.5	UNDER	73.6	63.6
10:28:00	67.5	75.8	UNDER	70.6	59.6
10:29:00	68.0	73.5	UNDER	70.6	62.6
10:30:00	65.8	70.3	UNDER	69.6	61.6
10:31:00	72.5	80.5	UNDER	76.6	62.6
10:32:00	66.4	70.5	UNDER	69.6	59.6
10:33:00	72.0	77.9	UNDER	75.6	61.6
10:34:00	65.0	69.1	UNDER	67.6	61.6
10:35:00	71.9	78.7	UNDER	76.6	62.6
10:36:00	65.7	71.9	UNDER	69.6	52.6
10:37:00	69.5	73.5	UNDER	72.6	65.6
10:38:00	70.0	77.9	UNDER	72.6	63.6
10:39:00	68.7	73.9	UNDER	71.6	62.6
10:40:00	69.6	76.1	UNDER	73.6	63.6
10:41:00	67.5	74.9	UNDER	69.6	63.6
10:42:00	71.7	77.1	UNDER	74.6	65.6
10:43:00	69.2	76.9	UNDER	72.6	64.6
10:44:00	69.4	74.3	UNDER	72.6	64.6
10:45:00	66.8	70.8	UNDER	69.6	62.6
10:46:00	74.4	83.7	UNDER	79.6	65.6
10:47:00	68.3	76.4	UNDER	71.6	63.6
10:48:00	71.3	76.4	UNDER	74.6	63.6
10:49:00	73.4	83.5	UNDER	78.6	55.6
10:50:00	69.0	72.9	UNDER	71.6	65.6

10:51:00	68.3	73.5	UNDER	71.6	61.6
10:52:00	67.7	74.8	UNDER	72.6	55.6
10:53:00	70.8	78.9	UNDER	74.6	58.6
10:54:00	62.8	67.9	UNDER	66.6	55.6
10:55:00	70.7	77.6	UNDER	73.6	59.6
10:56:00	66.3	71.5	UNDER	69.6	61.6
10:57:00	70.1	77.5	UNDER	74.6	64.6
10:58:00	68.0	77.1	UNDER	72.6	54.6
10:59:00	69.2	76.7	UNDER	72.6	63.6
11:00:00	70.3	78.3	UNDER	74.6	63.6
11:01:00	67.8	73.3	UNDER	71.6	63.6
11:02:00	72.0	80.3	UNDER	76.6	63.6
11:03:00	66.7	74.7	UNDER	68.6	63.6
11:04:00	72.2	81.1	UNDER	75.6	63.6
11:05:00	67.9	73.5	UNDER	71.6	62.6
11:06:00	69.7	74.2	UNDER	72.6	63.6
11:07:00	67.0	72.7	UNDER	70.6	63.6
11:08:00	72.2	79.1	UNDER	75.6	64.6
11:09:00	69.9	78.7	UNDER	73.6	63.6
11:10:00	69.7	78.3	UNDER	73.6	63.6
11:11:00	67.2	73.5	UNDER	69.6	63.6
11:12:00	68.5	74.7	UNDER	72.6	63.6
11:13:00	69.3	75.5	UNDER	73.6	58.6
11:14:00	67.8	74.2	UNDER	71.6	63.6
11:15:00	69.8	74.3	UNDER	72.6	61.6
11:16:00	66.6	73.5	UNDER	70.6	60.6

```
**********************************************************************
Filename..............SGR12912
Test Location.........17425 Park Mill Drive (R 4-1)
Employee Name.........MJM, LAA
Employee Number........
Date. ................12/9/04 (traffic count 10:37AM-10:57AM)
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 5912
REPORT PRINTED ON 12/09/04 at 15:38:24

User ID: _____________________________

The Wilson T. Ballard Co




LOGGING STARTED......12/09/04 at 10:18:00
TOTAL LOGGING TIME...0 DAYS 01:05:30
LOGGING STOPPED......12/09/04 at 11:23:30
TOTAL INTERVALS......66
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....12/09/04 AT 07:30:02
PRE-TEST CALIBRATION RANGE...40.2 TO 140.2 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE


<<< SUMMARY REPORT FOR TEST NUMBER 2 OF 5 >>>

EXCHANGE RATE..........3dB
CUTOFFS.................. 80dB  90dB
CEILING.................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  62.8dB
Lav ( 80).......  40.2dB
Lav ( 90).......  40.2dB
SEL.............  98.6dB

TWA.............  54.2dB
TWA ( 80).......  40.2dB
TWA ( 90).......  40.2dB

Lmax............  75.7dB  12/09/04 at 10:45:57
Lpk.............UNDER RANGE
```

TIME OVER 115dB...00:00:00.00

DOSE (80)..... 0.00%
PROJ. DOSE (80).. 0.00%
DOSE (90)..... 0.00%
PROJ. DOSE (90).. 0.00%

<<< TIME HISTORY REPORT FOR TEST NUMBER 2 OF 5 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
12/09/04					
10:18:00	62.4	66.0	UNDER	65.2	57.2
10:19:00	61.3	67.2	UNDER	66.2	57.2
10:20:00	65.0	70.8	UNDER	67.2	59.2
10:21:00	62.3	66.3	UNDER	65.2	57.2
10:22:00	62.7	66.1	UNDER	65.2	58.2
10:23:00	61.8	66.0	UNDER	65.2	56.2
10:24:00	60.7	65.2	UNDER	64.2	57.2
10:25:00	63.0	68.1	UNDER	66.2	59.2
10:26:00	63.3	70.1	UNDER	67.2	57.2
10:27:00	63.5	69.0	UNDER	65.2	58.2
10:28:00	60.4	65.7	UNDER	63.2	54.2
10:29:00	62.5	66.8	UNDER	64.2	58.2
10:30:00	60.0	62.8	UNDER	62.2	58.2
10:31:00	65.6	74.0	UNDER	70.2	57.2
10:32:00	61.1	66.9	UNDER	62.2	59.2
10:33:00	64.5	68.5	UNDER	67.2	58.2
10:34:00	64.6	69.6	UNDER	67.2	60.2
10:35:00	63.2	69.5	UNDER	67.2	56.2
10:36:00	59.6	64.0	UNDER	62.2	55.2
10:37:00	61.0	65.2	UNDER	63.2	57.2
10:38:00	61.2	67.2	UNDER	65.2	55.2
10:39:00	61.3	66.8	UNDER	64.2	51.2
10:40:00	59.4	64.5	UNDER	63.2	52.2
10:41:00	63.0	67.2	UNDER	66.2	58.2
10:42:00	64.7	68.9	UNDER	68.2	60.2
10:43:00	58.0	60.8	UNDER	59.2	55.2
10:44:00	62.9	68.4	UNDER	66.2	56.2
10:45:00	64.8	75.7	UNDER	64.2	59.2
10:46:00	64.6	74.7	UNDER	68.2	58.2
10:47:00	63.9	70.5	UNDER	68.2	57.2
10:48:00	62.1	68.3	UNDER	64.2	54.2
10:49:00	66.3	75.6	UNDER	71.2	56.2
10:50:00	62.5	67.3	UNDER	66.2	57.2
10:51:00	61.7	66.6	UNDER	65.2	56.2
10:52:00	61.5	68.4	UNDER	64.2	53.2
10:53:00	63.5	69.6	UNDER	68.2	56.2
10:54:00	59.5	62.5	UNDER	61.2	57.2
10:55:00	62.7	66.1	UNDER	65.2	56.2
10:56:00	60.6	65.6	UNDER	64.2	53.2
10:57:00	63.7	70.0	UNDER	67.2	58.2
10:58:00	62.3	68.4	UNDER	66.2	58.2
10:59:00	61.9	64.8	UNDER	64.2	57.2
11:00:00	62.5	66.1	UNDER	65.2	58.2
11:01:00	60.7	66.0	UNDER	64.2	53.2

11:02:00	64.1	69.3	UNDER	67.2	59.2
11:03:00	59.0	67.2	UNDER	61.2	50.2
11:04:00	66.5	74.8	UNDER	70.2	58.2
11:05:00	61.4	66.1	UNDER	64.2	58.2
11:06:00	62.5	66.4	UNDER	65.2	59.2
11:07:00	61.8	66.0	UNDER	64.2	58.2
11:08:00	63.5	68.4	UNDER	67.2	57.2
11:09:00	64.2	71.6	UNDER	68.2	58.2
11:10:00	60.2	70.5	UNDER	63.2	54.2
11:11:00	62.5	67.2	UNDER	65.2	56.2
11:12:00	62.7	67.7	UNDER	65.2	57.2
11:13:00	62.6	67.6	UNDER	64.2	58.2
11:14:00	61.5	66.8	UNDER	65.2	56.2
11:15:00	63.8	69.6	UNDER	67.2	56.2
11:16:00	62.9	70.0	UNDER	66.2	56.2
11:17:00	62.7	67.6	UNDER	66.2	57.2
11:18:00	61.4	67.2	UNDER	64.2	57.2
11:19:00	61.2	69.3	UNDER	64.2	55.2
11:20:00	65.8	73.4	UNDER	69.2	58.2
11:21:00	60.8	67.2	UNDER	63.2	53.2
11:22:00	63.2	66.3	UNDER	65.2	59.2
11:23:00	61.6	66.8	UNDER	65.2	56.2

```
**********************************************************************
Filename..............SG612572
Test Location.........17429 Park Mill Drive (R 4-1A)
Employee Name.........MJM
Employee Number........
Date..................6/1/05
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 2572
REPORT PRINTED ON 06/02/05 at 10:52:45

User ID: _____________________________

The Wilson T. Ballard Co




LOGGING STARTED......06/01/05 at 12:28:00
TOTAL LOGGING TIME...0 DAYS 00:58:59
LOGGING STOPPED......06/01/05 at 01:26:59
TOTAL INTERVALS......59
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....06/01/05 AT 08:33:15
PRE-TEST CALIBRATION RANGE...38.7 TO 138.7 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE


<<< SUMMARY REPORT FOR TEST NUMBER 3 OF 3 >>>

EXCHANGE RATE..........3dB
CUTOFFS................. 80dB  90dB
CEILING................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  63.3dB
Lav ( 80)......  38.7dB
Lav ( 90)......  38.7dB
SEL.............  98.7dB

TWA.............  54.3dB
TWA ( 80)......  38.7dB
TWA ( 90)......  38.7dB

Lmax............  73.6dB  06/01/05 at 01:06:55
Lpk............UNDER RANGE
TIME OVER 115dB...00:00:00.00

DOSE ( 80)........     0.00%
PROJ. DOSE ( 80)..     0.00%
```

DOSE (90)..... 0.00%
PROJ. DOSE (90).. 0.00%

<<< TIME HISTORY REPORT FOR TEST NUMBER 3 OF 3 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
06/01/05					
12:45:00	59.6	65.2	UNDER	62.7	51.7
12:46:00	65.9	72.4	UNDER	70.7	54.7
12:47:00	60.8	66.0	UNDER	63.7	57.7
12:48:00	63.7	68.0	UNDER	67.7	52.7
12:49:00	62.6	67.3	UNDER	65.7	57.7
12:50:00	59.8	66.8	UNDER	63.7	51.7
12:51:00	65.9	73.2	UNDER	68.7	56.7
12:52:00	63.2	68.3	UNDER	67.7	54.7
12:53:00	64.0	69.6	UNDER	67.7	55.7
12:54:00	63.0	67.6	UNDER	66.7	57.7
12:55:00	62.8	71.0	UNDER	66.7	52.7
12:56:00	61.8	65.6	UNDER	64.7	54.7
12:57:00	62.4	65.6	UNDER	64.7	57.7
12:58:00	61.9	67.8	UNDER	65.7	53.7
12:59:00	63.3	69.1	UNDER	66.7	56.7
01:00:00	63.9	70.4	UNDER	68.7	52.7
01:01:00	64.8	71.2	UNDER	68.7	57.7
01:02:00	66.0	70.2	UNDER	69.7	58.7
01:03:00	61.7	67.2	UNDER	64.7	56.7
01:04:00	61.9	65.7	UNDER	64.7	59.7
01:05:00	62.4	67.1	UNDER	65.7	56.7
01:06:00	67.9	73.6	UNDER	71.7	61.7
01:07:00	59.7	65.2	UNDER	64.7	51.7
01:08:00	65.8	71.2	UNDER	69.7	59.7
01:09:00	58.5	65.6	UNDER	61.7	54.7
01:10:00	61.8	70.4	UNDER	65.7	54.7
01:11:00	61.4	68.0	UNDER	64.7	51.7
01:12:00	65.2	71.6	UNDER	68.7	52.7
01:13:00	60.6	69.6	UNDER	64.7	51.7
01:14:00	61.0	67.5	UNDER	65.7	51.7
01:15:00	61.2	65.2	UNDER	63.7	51.7
01:16:00	62.2	66.0	UNDER	65.7	56.7
01:17:00	61.3	68.8	UNDER	65.7	55.7
01:18:00	61.3	65.9	UNDER	64.7	53.7
01:19:00	66.5	72.8	UNDER	70.7	58.7
01:20:00	59.7	67.2	UNDER	64.7	50.7
01:21:00	64.6	71.2	UNDER	68.7	55.7
01:22:00	62.1	69.2	UNDER	66.7	54.7
01:23:00	61.1	66.8	UNDER	64.7	54.7
01:24:00	63.9	68.4	UNDER	66.7	59.7
01:25:00	59.1	64.7	UNDER	62.7	52.7
01:26:00	64.9	69.8	UNDER	67.7	58.7

```
**********************************************************************
Filename..............SGR12913
Test Location.........17504 Park Mill Drive (R 4-2)
Employee Name.........MJM, LAA
Employee Number........
Date..................12/9/04 (traffic count 11:41AM-12:01PM)
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 5913
REPORT PRINTED ON 12/09/04 at 15:46:11

User ID: _____

The Wilson T. Ballard Co



LOGGING STARTED......12/09/04 at 11:31:00
TOTAL LOGGING TIME...0 DAYS 00:35:03
LOGGING STOPPED......12/09/04 at 12:06:03
TOTAL INTERVALS......36
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....12/09/04 AT 07:27:56
PRE-TEST CALIBRATION RANGE...40.4 TO 140.4 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE


<<< SUMMARY REPORT FOR TEST NUMBER 3 OF 5 >>>

EXCHANGE RATE..........3dB
CUTOFFS.................. 80dB  90dB
CEILING................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  57.0dB
Lav ( 80).......  40.4dB
Lav ( 90).......  40.4dB
SEL.............  90.1dB

TWA.............  45.7dB
TWA ( 80).......  40.4dB
TWA ( 90).......  40.4dB

Lmax............  72.6dB  12/09/04 at 11:32:54
Lpk............UNDER RANGE
```

TIME OVER 115dB...00:00:00.00

DOSE (80)..... 0.00%
PROJ. DOSE (80).. 0.00%
DOSE (90)..... 0.00%
PROJ. DOSE (90).. 0.00%

<<< TIME HISTORY REPORT FOR TEST NUMBER 3 OF 5 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
12/09/04					
11:31:00	54.5	60.2	UNDER	57.4	51.4
11:31:59	63.6	72.6	UNDER	67.4	57.4
11:32:58	55.4	65.4	UNDER	56.4	51.4
11:33:57	56.7	60.2	UNDER	58.4	52.4
11:34:56	57.5	61.1	UNDER	60.4	53.4
11:35:55	56.5	58.5	UNDER	57.4	54.4
11:36:54	54.7	59.4	UNDER	57.4	51.4
11:37:53	53.0	55.1	UNDER	54.4	51.4
11:38:52	56.1	59.9	UNDER	58.4	52.4
11:39:51	53.2	56.2	UNDER	55.4	51.4
11:40:50	53.5	57.5	UNDER	56.4	48.4
11:41:49	57.7	61.0	UNDER	59.4	53.4
11:42:48	54.5	58.2	UNDER	56.4	52.4
11:43:47	58.3	63.4	UNDER	61.4	51.4
11:44:46	58.2	62.7	UNDER	61.4	52.4
11:45:45	55.5	60.6	UNDER	58.4	51.4
11:46:44	59.0	64.6	UNDER	60.4	56.4
11:47:43	52.9	57.8	UNDER	55.4	50.4
11:48:42	55.8	59.9	UNDER	57.4	52.4
11:49:41	58.4	67.3	UNDER	61.4	51.4
11:50:40	56.7	61.5	UNDER	60.4	51.4
11:51:39	58.1	62.2	UNDER	61.4	53.4
11:52:38	55.1	59.1	UNDER	57.4	51.4
11:53:37	55.5	60.0	UNDER	58.4	51.4
11:54:36	55.3	57.9	UNDER	57.4	51.4
11:55:35	57.9	63.4	UNDER	61.4	51.4
11:56:34	57.8	62.6	UNDER	61.4	55.4
11:57:33	59.0	67.5	UNDER	62.4	53.4
11:58:32	56.1	59.8	UNDER	58.4	52.4
11:59:31	58.2	69.9	UNDER	56.4	52.4
12:00:30	57.2	65.8	UNDER	60.4	49.4
12:01:29	57.4	60.2	UNDER	59.4	54.4
12:02:28	54.4	57.1	UNDER	56.4	51.4
12:03:27	55.1	60.2	UNDER	59.4	47.4
12:04:26	55.0	58.8	UNDER	57.4	51.4
12:05:25	59.5	62.2	UNDER	61.4	57.4

```
**********************************************************************
Filename..............SGR12912
Test Location.........17505 Park Mill Drive (R 4-3)
Employee Name.........MJM, LAA
Employee Number........
Date..................12/9/04 (traffic count 11:41AM-12:01PM)
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 5912
REPORT PRINTED ON 12/09/04 at 15:38:53

User ID: _____________________________

The Wilson T. Ballard Co



LOGGING STARTED......12/09/04 at 11:30:00
TOTAL LOGGING TIME...0 DAYS 00:36:25
LOGGING STOPPED......12/09/04 at 12:06:25
TOTAL INTERVALS......37
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....12/09/04 AT 07:30:02
PRE-TEST CALIBRATION RANGE...40.2 TO 140.2 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE


<<< SUMMARY REPORT FOR TEST NUMBER 3 OF 5 >>>

EXCHANGE RATE..........3dB
CUTOFFS.................. 80dB  90dB
CEILING................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  65.5dB
Lav ( 80).......  56.8dB
Lav ( 90).......  40.2dB
SEL.............  98.8dB

TWA.............  54.4dB
TWA ( 80).......  45.6dB
TWA ( 90).......  40.2dB

Lmax............  85.0dB  12/09/04 at 11:32:52
Lpk............ 110.8dB  12/09/04 at 11:32:51
```

TIME OVER 115dB...00:00:00.00

DOSE (80).....	0.00%
PROJ. DOSE (80)..	0.00%
DOSE (90).....	0.00%
PROJ. DOSE (90)..	0.00%

<<< TIME HISTORY REPORT FOR TEST NUMBER 3 OF 5 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
12/09/04					
11:30:00	64.0	69.4	UNDER	67.2	58.2
11:31:00	63.3	71.6	UNDER	65.2	57.2
11:32:00	74.4	85.0	110.8	78.2	60.2
11:33:00	63.2	74.8	UNDER	65.2	54.2
11:34:00	65.3	69.7	UNDER	68.2	60.2
11:35:00	66.2	70.5	UNDER	69.2	59.2
11:36:00	64.5	68.8	UNDER	67.2	59.2
11:37:00	63.4	68.3	UNDER	67.2	53.2
11:38:00	60.8	64.5	UNDER	63.2	56.2
11:39:00	66.1	72.3	UNDER	69.2	60.2
11:40:00	60.2	64.4	UNDER	63.2	56.2
11:41:00	62.7	69.2	UNDER	66.2	50.2
11:42:00	66.9	73.7	UNDER	69.2	59.2
11:43:00	61.4	66.7	UNDER	64.2	56.2
11:44:00	65.7	71.3	UNDER	69.2	52.2
11:45:00	67.2	74.4	UNDER	70.2	60.2
11:46:00	65.0	72.8	UNDER	69.2	57.2
11:47:00	66.1	70.4	UNDER	68.2	61.2
11:48:00	59.7	65.3	UNDER	63.2	54.2
11:49:00	64.4	68.8	UNDER	68.2	57.2
11:50:00	64.6	68.5	UNDER	68.2	58.2
11:51:00	64.6	70.9	UNDER	68.2	57.2
11:52:00	65.9	71.6	UNDER	70.2	57.2
11:53:00	63.1	67.7	UNDER	66.2	57.2
11:54:00	64.5	72.0	UNDER	68.2	54.2
11:55:00	63.6	67.2	UNDER	66.2	54.2
11:56:00	65.0	72.5	UNDER	69.2	57.2
11:57:00	67.4	72.2	UNDER	70.2	64.2
11:58:00	65.6	72.4	UNDER	68.2	59.2
11:59:00	65.7	72.4	UNDER	69.2	59.2
12:00:00	61.9	67.2	UNDER	64.2	57.2
12:01:00	63.0	69.5	UNDER	68.2	53.2
12:02:00	66.5	71.2	UNDER	68.2	63.2
12:03:00	63.0	69.3	UNDER	65.2	56.2
12:04:00	64.8	72.8	UNDER	68.2	49.2
12:05:00	63.1	70.3	UNDER	67.2	56.2
12:06:00	62.3	66.9	UNDER	66.2	52.2

```
**********************************************************************
Filename..............SG615912
Test Location.........17437 Park Mill Drive (R 4-3A)
Employee Name.........MJM
Employee Number........
Date..................6/1/05
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 5912
REPORT PRINTED ON 06/02/05 at 10:53:39

User ID: _____________________________

The Wilson T. Ballard Co




LOGGING STARTED......06/01/05 at 12:31:00
TOTAL LOGGING TIME...0 DAYS 00:55:53
LOGGING STOPPED......06/01/05 at 01:26:53
TOTAL INTERVALS......56
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....06/01/05 AT 08:34:12
PRE-TEST CALIBRATION RANGE...40.1 TO 140.1 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE


<<< SUMMARY REPORT FOR TEST NUMBER 3 OF 3 >>>

EXCHANGE RATE..........3dB
CUTOFFS.................. 80dB  90dB
CEILING................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  64.5dB
Lav ( 80)......  40.1dB
Lav ( 90)......  40.1dB
SEL.............  99.7dB

TWA.............  55.2dB
TWA ( 80)......  40.1dB
TWA ( 90)......  40.1dB

Lmax............  75.1dB  06/01/05 at 01:06:50
Lpk............UNDER RANGE
TIME OVER 115dB...00:00:00.00

DOSE ( 80)........     0.00%
PROJ. DOSE ( 80)..     0.00%
```

DOSE (90)..... 0.00%
PROJ. DOSE (90).. 0.00%

<<< TIME HISTORY REPORT FOR TEST NUMBER 3 OF 3 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
06/01/05					
12:41:00	68.4	73.9	UNDER	72.1	61.1
12:42:00	65.8	73.5	UNDER	71.1	57.1
12:43:00	63.5	69.1	UNDER	66.1	55.1
12:44:00	65.6	72.7	UNDER	68.1	59.1
12:45:00	61.3	67.2	UNDER	64.1	53.1
12:46:00	67.0	73.5	UNDER	69.1	54.1
12:47:00	62.4	68.4	UNDER	65.1	57.1
12:48:00	65.1	70.1	UNDER	68.1	57.1
12:49:00	64.4	68.7	UNDER	66.1	60.1
12:50:00	58.6	65.6	UNDER	60.1	55.1
12:51:00	66.7	71.1	UNDER	68.1	61.1
12:52:00	63.8	68.3	UNDER	66.1	57.1
12:53:00	65.0	72.5	UNDER	68.1	54.1
12:54:00	64.2	69.6	UNDER	68.1	55.1
12:55:00	62.8	69.3	UNDER	65.1	52.1
12:56:00	64.6	69.3	UNDER	67.1	56.1
12:57:00	62.8	69.1	UNDER	66.1	55.1
12:58:00	62.7	68.8	UNDER	66.1	53.1
12:59:00	64.1	69.5	UNDER	67.1	58.1
01:00:00	64.8	71.2	UNDER	69.1	52.1
01:01:00	65.9	72.3	UNDER	69.1	61.1
01:02:00	66.9	72.7	UNDER	70.1	60.1
01:03:00	63.4	68.7	UNDER	65.1	57.1
01:04:00	63.6	67.6	UNDER	65.1	60.1
01:05:00	63.6	68.8	UNDER	66.1	58.1
01:06:00	69.1	75.1	UNDER	72.1	64.1
01:07:00	61.0	69.0	UNDER	64.1	50.1
01:08:00	67.2	74.0	UNDER	71.1	60.1
01:09:00	61.4	70.4	UNDER	64.1	55.1
01:10:00	62.7	68.3	UNDER	66.1	52.1
01:11:00	63.8	72.0	UNDER	67.1	52.1
01:12:00	65.3	71.9	UNDER	68.1	55.1
01:13:00	61.1	67.5	UNDER	65.1	52.1
01:14:00	62.3	67.6	UNDER	66.1	54.1
01:15:00	61.7	66.3	UNDER	64.1	55.1
01:16:00	63.9	68.4	UNDER	66.1	57.1
01:17:00	62.7	69.9	UNDER	67.1	54.1
01:18:00	62.1	66.0	UNDER	64.1	55.1
01:19:00	66.9	71.9	UNDER	70.1	60.1
01:20:00	61.2	68.8	UNDER	65.1	51.1
01:21:00	65.7	72.5	UNDER	69.1	60.1
01:22:00	64.4	70.3	UNDER	67.1	59.1
01:23:00	65.6	70.0	UNDER	68.1	59.1
01:24:00	65.9	70.8	UNDER	68.1	60.1
01:25:00	61.9	68.4	UNDER	64.1	56.1
01:26:00	65.7	70.0	UNDER	68.1	58.1

```
**********************************************************************
Filename..............SG612572
Test Location.........17513 Park Mill Drive (R 4-3B)
Employee Name.........MJM
Employee Number........
Date..................6/1/05
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 2572
REPORT PRINTED ON 06/02/05 at 10:52:30

User ID: _____

The Wilson T. Ballard Co



LOGGING STARTED......06/01/05 at 11:14:00
TOTAL LOGGING TIME...0 DAYS 00:37:51
LOGGING STOPPED......06/01/05 at 11:51:51
TOTAL INTERVALS......38
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....06/01/05 AT 08:33:15
PRE-TEST CALIBRATION RANGE...38.7 TO 138.7 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE


<<< SUMMARY REPORT FOR TEST NUMBER 2 OF 3 >>>

EXCHANGE RATE..........3dB
CUTOFFS.................. 80dB  90dB
CEILING.................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  65.3dB
Lav ( 80)......  38.7dB
Lav ( 90)......  38.7dB
SEL.............  98.8dB

TWA.............  54.3dB
TWA ( 80)......  38.7dB
TWA ( 90)......  38.7dB

Lmax............  77.7dB  06/01/05 at 11:17:13
Lpk.............UNDER RANGE
TIME OVER 115dB...00:00:00.00

DOSE ( 80)........     0.00%
PROJ. DOSE ( 80)..     0.00%
```

DOSE (90)..... 0.00%
PROJ. DOSE (90).. 0.00%

<<< TIME HISTORY REPORT FOR TEST NUMBER 2 OF 3 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
06/01/05					
11:14:00	65.0	72.6	UNDER	69.7	51.7
11:15:00	60.9	68.5	UNDER	65.7	50.7
11:16:00	66.9	75.9	UNDER	68.7	61.7
11:17:00	66.4	77.7	UNDER	69.7	54.7
11:18:00	64.2	70.4	UNDER	68.7	56.7
11:19:00	65.3	72.8	UNDER	68.7	55.7
11:20:00	65.4	72.8	UNDER	69.7	56.7
11:21:00	66.9	71.2	UNDER	70.7	58.7
11:22:00	59.0	66.2	UNDER	63.7	48.7
11:23:00	67.8	76.3	UNDER	70.7	54.7
11:24:00	69.9	76.4	UNDER	74.7	58.7
11:25:00	63.8	72.4	UNDER	68.7	54.7
11:26:00	66.9	72.4	UNDER	69.7	59.7
11:27:00	65.5	72.3	UNDER	68.7	58.7
11:28:00	67.0	72.0	UNDER	70.7	60.7
11:29:00	66.3	74.0	UNDER	69.7	58.7
11:30:00	62.4	71.4	UNDER	69.7	51.7
11:31:00	64.8	72.7	UNDER	69.7	49.7
11:32:00	62.4	68.4	UNDER	66.7	55.7
11:33:00	66.2	72.0	UNDER	70.7	53.7
11:34:00	64.5	70.1	UNDER	67.7	58.7
11:35:00	59.1	64.0	UNDER	62.7	51.7
11:36:00	66.4	70.9	UNDER	68.7	57.7
11:37:00	65.7	72.4	UNDER	70.7	53.7
11:38:00	64.8	70.5	UNDER	68.7	58.7
11:39:00	65.8	70.5	UNDER	68.7	61.7
11:40:00	64.2	70.7	UNDER	67.7	53.7
11:41:00	64.8	70.8	UNDER	68.7	55.7
11:42:00	60.9	65.6	UNDER	63.7	55.7
11:43:00	65.1	70.2	UNDER	69.7	54.7
11:44:00	66.9	75.6	UNDER	72.7	53.7
11:45:00	61.6	68.4	UNDER	64.7	55.7
11:46:00	65.5	70.8	UNDER	68.7	60.7
11:47:00	62.4	68.1	UNDER	66.7	51.7
11:48:00	64.6	71.8	UNDER	69.7	54.7
11:49:00	66.8	72.4	UNDER	70.7	57.7
11:50:00	60.6	65.6	UNDER	64.7	54.7
11:51:00	67.3	73.6	UNDER	70.7	53.7

```
**********************************************************************
Filename..............SG615912
Test Location.........17517 Park Mill Drive (R 4-3C)
Employee Name.........MJM
Employee Number........
Date..................6/1/05
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 5912
REPORT PRINTED ON 06/02/05 at 10:53:24

User ID: _____________________________

The Wilson T. Ballard Co



LOGGING STARTED......06/01/05 at 11:10:00
TOTAL LOGGING TIME...0 DAYS 00:41:17
LOGGING STOPPED......06/01/05 at 11:51:17
TOTAL INTERVALS......42
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....06/01/05 AT 08:34:12
PRE-TEST CALIBRATION RANGE...40.1 TO 140.1 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE


<<< SUMMARY REPORT FOR TEST NUMBER 2 OF 3 >>>

EXCHANGE RATE..........3dB
CUTOFFS.................. 80dB  90dB
CEILING.................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  62.2dB
Lav ( 80).......  40.1dB
Lav ( 90).......  40.1dB
SEL.............  96.0dB

TWA.............  51.6dB
TWA ( 80).......  40.1dB
TWA ( 90).......  40.1dB

Lmax............  75.2dB  06/01/05 at 11:16:01
Lpk............UNDER RANGE
TIME OVER 115dB...00:00:00.00

DOSE ( 80)........     0.00%
PROJ. DOSE ( 80)..     0.00%
```

DOSE (90)........ 0.00%
PROJ. DOSE (90).. 0.00%

<<< TIME HISTORY REPORT FOR TEST NUMBER 2 OF 3 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
06/01/05					
11:10:00	61.5	69.5	UNDER	66.1	50.1
11:10:59	63.9	69.2	UNDER	67.1	57.1
11:11:58	57.8	61.9	UNDER	60.1	51.1
11:12:57	63.0	69.6	UNDER	67.1	53.1
11:13:56	61.7	69.1	UNDER	65.1	50.1
11:14:55	58.8	68.3	UNDER	63.1	49.1
11:15:54	64.8	75.2	UNDER	66.1	58.1
11:16:53	62.3	73.2	UNDER	65.1	50.1
11:17:52	60.0	65.0	UNDER	64.1	53.1
11:18:51	61.5	68.3	UNDER	64.1	55.1
11:19:50	62.7	70.4	UNDER	66.1	52.1
11:20:49	63.2	67.6	UNDER	65.1	54.1
11:21:48	56.5	63.2	UNDER	61.1	47.1
11:22:47	64.5	72.2	UNDER	67.1	52.1
11:23:46	67.0	74.0	UNDER	71.1	56.1
11:24:45	60.9	68.7	UNDER	66.1	51.1
11:25:44	63.3	69.5	UNDER	65.1	57.1
11:26:43	62.2	68.7	UNDER	65.1	55.1
11:27:42	64.1	70.3	UNDER	67.1	57.1
11:28:41	63.7	72.0	UNDER	66.1	56.1
11:29:40	59.5	67.9	UNDER	65.1	50.1
11:30:39	61.4	69.2	UNDER	65.1	48.1
11:31:38	59.3	65.1	UNDER	62.1	53.1
11:32:37	63.4	68.7	UNDER	67.1	51.1
11:33:36	61.1	65.6	UNDER	63.1	54.1
11:34:35	56.4	60.8	UNDER	59.1	50.1
11:35:34	63.5	69.5	UNDER	65.1	56.1
11:36:33	62.0	68.4	UNDER	66.1	49.1
11:37:32	61.5	67.5	UNDER	63.1	55.1
11:38:31	62.6	67.5	UNDER	64.1	59.1
11:39:30	60.8	67.7	UNDER	63.1	52.1
11:40:29	60.9	66.6	UNDER	64.1	53.1
11:41:28	58.1	62.8	UNDER	60.1	54.1
11:42:27	62.5	67.9	UNDER	66.1	54.1
11:43:26	63.7	72.0	UNDER	68.1	53.1
11:44:25	58.7	63.6	UNDER	60.1	54.1
11:45:24	62.5	68.7	UNDER	65.1	57.1
11:46:23	59.4	65.3	UNDER	62.1	50.1
11:47:22	61.6	68.3	UNDER	65.1	53.1
11:48:21	63.5	70.4	UNDER	66.1	55.1
11:49:20	58.4	64.4	UNDER	60.1	54.1
11:50:19	67.3	71.2	UNDER	70.1	61.1

```
**********************************************************************
Filename.............SG121512
Test Location.........7300 Mill Run Drive (R 4-4)
Employee Name.........MJM, LAA
Employee Number.......
Date..................12/15/04 (traffic count 2:06PM-2:26PM)
Calibrator Type.......
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 5912
REPORT PRINTED ON 12/16/04 at 09:47:29

User ID: _____

The Wilson T. Ballard Co



LOGGING STARTED......12/15/04 at 13:40:00
TOTAL LOGGING TIME...0 DAYS 00:58:44
LOGGING STOPPED......12/15/04 at 14:38:44
TOTAL INTERVALS......59
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....12/15/04 AT 08:14:16
PRE-TEST CALIBRATION RANGE...40.2 TO 140.2 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE


<<< SUMMARY REPORT FOR TEST NUMBER 5 OF 7 >>>

EXCHANGE RATE.........3dB
CUTOFFS.................. 80dB  90dB
CEILING..............115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  68.8dB
Lav ( 80)......  61.1dB
Lav ( 90)......  56.4dB
SEL............. 104.1dB

TWA.............  59.7dB
TWA ( 80)......  52.0dB
TWA ( 90)......  47.3dB

Lmax............  91.3dB  12/15/04 at 13:57:39
Lpk............UNDER RANGE
TIME OVER 115dB...00:00:00.00

DOSE ( 80)........    0.01%
PROJ. DOSE ( 80)..    0.08%
DOSE ( 90)........    0.00%
PROJ. DOSE ( 90)..    0.00%


<<< TIME HISTORY REPORT FOR TEST NUMBER 5 OF 7 >>>

   TIME          Lav       Lmax        Lpk     L(10.0)     L(90.0)
                 dBA        dBA        dBC       dBA         dBA
12/15/04
13:40:00        65.1       73.4      UNDER       70.2        50.2
13:41:00        65.4       70.8      UNDER       70.2        57.2
13:42:00        68.7       76.5      UNDER       71.2        57.2
13:43:00        63.4       73.2      UNDER       66.2        55.2
13:44:00        69.2       75.7      UNDER       72.2        56.2
```

13:45:00	67.7	73.3	UNDER	70.2	53.2
13:46:00	64.3	71.7	UNDER	69.2	48.2
13:47:00	69.2	75.3	UNDER	73.2	56.2
13:48:00	66.8	77.6	UNDER	68.2	47.2
13:49:00	68.4	75.0	UNDER	71.2	54.2
13:50:00	65.9	73.7	UNDER	70.2	59.2
13:51:00	63.7	70.4	UNDER	67.2	52.2
13:52:00	70.6	74.4	UNDER	73.2	65.2
13:53:00	61.7	71.0	UNDER	66.2	48.2
13:54:00	68.4	76.4	UNDER	70.2	63.2
13:55:00	68.1	75.3	UNDER	72.2	56.2
13:56:00	68.7	74.4	UNDER	72.2	62.2
13:57:00	78.9	91.3	UNDER	84.2	58.2
13:58:00	65.2	72.0	UNDER	69.2	53.2
13:59:00	70.5	78.8	UNDER	74.2	59.2
14:00:00	69.9	76.0	UNDER	73.2	57.2
14:01:00	66.7	75.4	UNDER	71.2	55.2
14:02:00	68.0	74.1	UNDER	71.2	50.2
14:03:00	65.0	73.5	UNDER	68.2	58.2
14:04:00	69.4	77.7	UNDER	72.2	61.2
14:05:00	68.2	73.3	UNDER	70.2	59.2
14:06:00	66.8	75.6	UNDER	71.2	56.2
14:07:00	69.2	76.0	UNDER	73.2	62.2
14:08:00	66.1	74.9	UNDER	70.2	54.2
14:09:00	69.9	75.7	UNDER	73.2	59.2
14:10:00	66.8	72.1	UNDER	70.2	60.2
14:11:00	67.3	73.6	UNDER	71.2	61.2
14:12:00	69.8	76.9	UNDER	72.2	60.2
14:13:00	63.3	71.3	UNDER	68.2	49.2
14:14:00	68.4	73.7	UNDER	71.2	62.2
14:15:00	68.9	78.5	UNDER	72.2	52.2
14:16:00	67.8	77.3	UNDER	71.2	55.2
14:17:00	67.1	76.3	UNDER	70.2	47.2
14:18:00	64.4	69.9	UNDER	67.2	58.2
14:19:00	70.5	76.0	UNDER	72.2	64.2
14:20:00	67.6	75.2	UNDER	70.2	50.2
14:21:00	65.9	75.2	UNDER	69.2	49.2
14:22:00	69.4	77.2	UNDER	73.2	59.2
14:23:00	61.1	67.7	UNDER	65.2	49.2
14:24:00	68.3	73.7	UNDER	70.2	60.2
14:25:00	63.8	70.4	UNDER	68.2	52.2
14:26:00	72.6	84.1	UNDER	75.2	62.2
14:27:00	70.2	78.5	UNDER	74.2	60.2
14:28:00	64.4	75.1	UNDER	68.2	54.2
14:29:00	71.7	78.4	UNDER	75.2	64.2
14:30:00	63.6	71.2	UNDER	66.2	54.2
14:31:00	70.4	79.6	UNDER	76.2	57.2
14:32:00	70.3	80.2	UNDER	72.2	60.2
14:33:00	66.3	73.7	UNDER	70.2	54.2
14:34:00	70.0	79.2	UNDER	73.2	56.2
14:35:00	69.4	78.9	UNDER	72.2	54.2
14:36:00	66.6	72.5	UNDER	70.2	57.2
14:37:00	67.0	74.0	UNDER	70.2	56.2
14:38:00	61.3	68.5	UNDER	63.2	57.2

```
**********************************************************************
Filename..............SG611875
Test Location..........17525 Park Mill Drive (R 4-4A)
Employee Name..........MJM
Date..................6/1/05
**********************************************************************

METROSONICS db-308 SN 1875 V2.3  3/87

CURRENT DATE:  6/01/05
CURRENT TIME: 13:47:11

_____________________________________

_____________________________________

_____________________________________

_____________________________________

CALIBRATED:   6/01/05  @   8:38:04

DISPLAY RANGE:  43.1dB TO 139.1dB

DOUBLING RATE:  3 dB

FILTER: A WGHT

RESPONSE:  SLOW

SCHEDULED RUN: OFF

   START DATE: 1/01/05
   START TIME: 0:00:00
   LENGTH:     1:00:00


** OVERALL REPORT **

TEST STARTING DATE:   6/01/05
TEST STARTING TIME:  10:14:00
TEST LENGTH:     0DAYS  2:22:48

Lav    = 67.8dB
Lav  80= 66.1dB
Lav  90= 65.6dB
SEL    =107.0dB

Lmax =104.1dB  ON  6/01/05 @ 13:28:39
Lpk  =  143dB  ON  6/01/05 @ 13:08:51

TIME OVER 115dB  0D  0:00:00.00

DOSE CRITERION:  90dB

 8 HR DOSE ( 80dB CUTOFF)=  0.12%
 8 HR PROJ. DOSE ( 80dB CUTOFF)=  0.40%
 8 HR DOSE ( 90dB CUTOFF)=  0.10%
 8 HR PROJ. DOSE ( 90dB CUTOFF)=  0.33%
```

** TIME HISTORY REPORT **

MODE: CONTINUOUS
PERIOD LENGTH: 0:01:00
TIME HISTORY CUTOFF: NONE
Ln(1): 10.0% Ln(2): 99.9%

INT# TAG#	START TIME	Lav ET	Lmax L1	Lpk L2	
42 0	6/01/05 11:05:08	62.6 0:01:00	69.1 66	<118 50	* +
43 0	6/01/05 11:06:08	63.0 0:01:00	67.6 65	<118 53	* +
44 0	6/01/05 11:07:08	63.0 0:01:00	71.4 65	<118 53	* +
45 0	6/01/05 11:08:08	64.7 0:01:00	70.1 68	<118 53	* +
46 0	6/01/05 11:09:08	63.2 0:01:00	69.1 66	<118 51	* +
47 0	6/01/05 11:10:08	62.5 0:01:00	68.0 66	<118 48	* +
48 0	6/01/05 11:11:08	63.5 0:01:00	68.9 67	<118 56	* +
49 0	6/01/05 11:12:08	57.7 0:01:00	62.2 61	<118 47	* +
50 0	6/01/05 11:13:08	63.9 0:01:00	70.2 68	<118 55	* +
51 0	6/01/05 11:14:08	61.6 0:01:00	67.8 65	<118 49	* +
52 0	6/01/05 11:15:08	62.9 0:01:00	71.1 67	<118 51	* +
53 0	6/01/05 11:16:08	62.3 0:01:00	67.5 65	<118 56	* +
54 0	6/01/05 11:17:08	59.7 0:01:00	68.5 64	<118 48	* +
55 0	6/01/05 11:18:08	63.2 0:01:00	70.9 67	<118 53	* +
56 0	6/01/05 11:19:08	62.9 0:01:00	69.0 65	<118 56	* +
57 0	6/01/05 11:20:08	62.7 0:01:00	70.9 67	<118 50	* +
58	6/01/05	63.4	67.8	<118	* +

```
 0 11:21:08  0:01:00  66     54

59  6/01/05   56.1    63.1 <118            *    +
 0 11:22:08  0:01:00  59     49

60  6/01/05   66.0    70.9 <118                 *    +
 0 11:23:08  0:01:00  69     55

61  6/01/05   65.3    72.2 <118                 *    +
 0 11:24:08  0:01:00  69     48

62  6/01/05   62.1    69.0 <118               *    +
 0 11:25:08  0:01:00  66     47

63  6/01/05   63.3    68.6 <118                *  +
 0 11:26:08  0:01:00  65     53

64  6/01/05   62.0    67.7 <118               *  +
 0 11:27:08  0:01:00  65     52

65  6/01/05   64.6    69.4 <118                *    +
 0 11:28:08  0:01:00  68     54

66  6/01/05   63.8    69.6 <118                *    +
 0 11:29:08  0:01:00  66     57

67  6/01/05   62.3    68.5 <118               *    +
 0 11:30:08  0:01:00  67     49

68  6/01/05   61.5    65.8 <118              *  +
 0 11:31:08  0:01:00  64     49

69  6/01/05   57.5    63.4 <118            *    +
 0 11:32:08  0:01:00  60     51

70  6/01/05   64.4    70.8 <118                 *    +
 0 11:33:08  0:01:00  67     55

71  6/01/05   61.1    65.8 <118              *  +
 0 11:34:08  0:01:00  64     52

72  6/01/05   59.7    65.4 <118             *    +
 0 11:35:08  0:01:00  64     52

73  6/01/05   64.6    67.8 <118                *  +
 0 11:36:08  0:01:00  66     59

74  6/01/05   61.6    66.4 <118               *  +
 0 11:37:08  0:01:00  64     56

75  6/01/05   64.9    67.6 <118                *+
 0 11:38:08  0:01:00  66     61

76  6/01/05   64.1    69.0 <118                *  +
 0 11:39:08  0:01:00  66     59

77  6/01/05   60.3    64.0 <118              * +
 0 11:40:08  0:01:00  62     56

78  6/01/05   62.0    65.7 <118               * +
 0 11:41:08  0:01:00  64     57
```

79	6/01/05	62.9	65.7	<118	* +	
0	11:42:08	0:01:00	64	59		
80	6/01/05	64.0	69.1	<118	* +	
0	11:43:08	0:01:00	66	58		
81	6/01/05	64.1	71.3	<118	* +	
0	11:44:08	0:01:00	67	54		
82	6/01/05	62.4	66.0	<118	* +	
0	11:45:08	0:01:00	64	56		
83	6/01/05	64.2	67.4	<118	* +	
0	11:46:08	0:01:00	66	59		
84	6/01/05	60.2	65.4	<118	* +	
0	11:47:08	0:01:00	63	53		
85	6/01/05	67.8	74.1	<118	* +	
0	11:48:08	0:01:00	70	57		
86	6/01/05	68.6	71.0	<118	* +	
0	11:49:08	0:01:00	70	65		
87	6/01/05	68.7	71.6	<118	* +	
0	11:50:08	0:01:00	70	65		
88	6/01/05	68.7	77.4	<118	* +	
0	11:51:08	0:01:00	70	63		
89	6/01/05	66.7	69.2	<118	*+	
0	11:52:08	PARTIAL	68	64		

```
**********************************************************************
Filename.............SGR12972
Test Location.........7301 Mill Run Drive (R 5-1)
Employee Name.........MJM, LAA
Employee Number........
Date..................12/9/04 (traffic count 11:41AM-12:01PM)
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 2572
REPORT PRINTED ON 12/09/04 at 15:48:51

User ID: _____________________________

The Wilson T. Ballard Co



LOGGING STARTED......12/09/04 at 11:39:00
TOTAL LOGGING TIME...0 DAYS 00:24:21
LOGGING STOPPED......12/09/04 at 12:03:21
TOTAL INTERVALS......25
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....12/09/04 AT 07:23:21
PRE-TEST CALIBRATION RANGE...38.6 TO 138.6 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE


<<< SUMMARY REPORT FOR TEST NUMBER 3 OF 5 >>>

EXCHANGE RATE..........3dB
CUTOFFS.................. 80dB  90dB
CEILING.................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  71.1dB
Lav ( 80).......  59.4dB
Lav ( 90).......  38.6dB
SEL.............. 102.6dB

TWA.............  58.2dB
TWA ( 80).......  46.5dB
TWA ( 90).......  38.6dB

Lmax............  83.0dB  12/09/04 at 11:42:02
Lpk............UNDER RANGE
```

TIME OVER 115dB...00:00:00.00

DOSE (80).....	0.00%
PROJ. DOSE (80)..	0.00%
DOSE (90).....	0.00%
PROJ. DOSE (90)..	0.00%

<<< TIME HISTORY REPORT FOR TEST NUMBER 3 OF 5 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
12/09/04					
11:39:00	72.5	81.2	UNDER	76.6	62.6
11:39:59	65.7	72.0	UNDER	69.6	60.6
11:40:58	70.0	77.5	UNDER	75.6	60.6
11:41:57	75.4	83.0	UNDER	79.6	66.6
11:42:56	63.2	70.7	UNDER	68.6	57.6
11:43:55	72.9	80.7	UNDER	76.6	66.6
11:44:54	73.4	82.8	UNDER	78.6	59.6
11:45:53	71.9	78.7	UNDER	75.6	64.6
11:46:52	70.6	78.8	UNDER	73.6	63.6
11:47:51	68.3	73.6	UNDER	72.6	59.6
11:48:50	70.7	76.4	UNDER	74.6	61.6
11:49:49	70.6	75.2	UNDER	74.6	59.6
11:50:48	70.1	78.3	UNDER	75.6	59.6
11:51:47	69.6	78.3	UNDER	73.6	60.6
11:52:46	69.2	77.1	UNDER	73.6	61.6
11:53:45	71.0	77.1	UNDER	75.6	61.6
11:54:44	70.4	79.1	UNDER	73.6	63.6
11:55:43	69.4	77.9	UNDER	74.6	59.6
11:56:42	73.7	79.1	UNDER	75.6	70.6
11:57:41	70.1	79.6	UNDER	73.6	60.6
11:58:40	71.3	79.5	UNDER	74.6	60.6
11:59:39	69.8	74.1	UNDER	72.6	65.6
12:00:38	66.9	73.5	UNDER	70.6	57.6
12:01:37	72.8	78.3	UNDER	75.6	66.6
12:02:36	72.0	74.7	UNDER	74.6	68.6

```
**********************************************************************
Filename..............SG611875
Test Location..........17736 Cliffbourne Lane (R 5-2)
Employee Name..........MJM
Date..................6/1/05
**********************************************************************

METROSONICS db-308 SN 1875 V2.3  3/87

CURRENT DATE:  6/01/05
CURRENT TIME: 13:47:11

_____________________________________

_____________________________________

_____________________________________

_____________________________________

CALIBRATED:   6/01/05  @   8:38:04

DISPLAY RANGE:  43.1dB TO 139.1dB

DOUBLING RATE:  3 dB

FILTER: A WGHT

RESPONSE:  SLOW

SCHEDULED RUN: OFF

   START DATE: 1/01/05
   START TIME: 0:00:00
   LENGTH:     1:00:00


** OVERALL REPORT **

TEST STARTING DATE:   6/01/05
TEST STARTING TIME:  10:14:00
TEST LENGTH:     0DAYS  2:22:48

Lav    = 67.8dB
Lav  80= 66.1dB
Lav  90= 65.6dB
SEL    =107.0dB

Lmax =104.1dB  ON  6/01/05 @ 13:28:39
Lpk  =  143dB  ON  6/01/05 @ 13:08:51

TIME OVER 115dB  0D  0:00:00.00

DOSE CRITERION:  90dB

 8 HR DOSE ( 80dB CUTOFF)=  0.12%
 8 HR PROJ. DOSE ( 80dB CUTOFF)=  0.40%
 8 HR DOSE ( 90dB CUTOFF)=  0.10%
 8 HR PROJ. DOSE ( 90dB CUTOFF)=  0.33%
```

** TIME HISTORY REPORT **

MODE: CONTINUOUS
PERIOD LENGTH: 0:01:00
TIME HISTORY CUTOFF: NONE
Ln(1): 10.0% Ln(2): 99.9%

INT# TAG#	START TIME	Lav ET	Lmax L1	Lpk L2	
1	6/01/05	52.0	59.5	<118	* +
0	10:14:00	0:01:00	56	43	
2	6/01/05	47.7	51.8	<118	* +
0	10:15:00	0:01:00	49	44	
3	6/01/05	51.4	57.1	<118	* +
0	10:16:00	0:01:00	55	44	
4	6/01/05	46.8	51.7	<118	* +
0	10:17:00	0:01:00	49	43	
5	6/01/05	48.1	52.4	<118	* +
0	10:18:00	0:01:00	51	43	
6	6/01/05	49.1	54.0	<118	* +
0	10:19:00	0:01:00	51	43	
7	6/01/05	48.2	51.3	<118	* +
0	10:20:00	0:01:00	50	43	
8	6/01/05	51.6	55.3	<118	* +
0	10:21:00	0:01:00	54	47	
9	6/01/05	48.2	51.4	<118	* +
0	10:22:00	0:01:00	50	45	
10	6/01/05	48.6	54.4	<118	* +
0	10:23:00	0:01:00	52	43	
11	6/01/05	47.4	54.1	<118	* +
0	10:24:00	0:01:00	50	43	
12	6/01/05	48.7	52.0	<118	* +
0	10:25:00	0:01:00	51	43	
13	6/01/05	53.5	64.1	<118	* +
0	10:26:00	0:01:00	58	44	
14	6/01/05	54.9	66.7	<118	* +
0	10:27:00	0:01:00	58	43	
15	6/01/05	50.5	54.0	<118	* +
0	10:28:00	0:01:00	53	43	
16	6/01/05	48.4	51.5	<118	* +
0	10:29:00	0:01:00	50	43	
17	6/01/05	46.2	48.7	<118	*+

```
 0 10:30:00   0:01:00   48      43

18  6/01/05    48.0     50.4 <118        *+
 0 10:31:00   0:01:00   49      43

19  6/01/05    47.3     50.0 <118       * +
 0 10:32:00   0:01:00   49      43

20  6/01/05    47.5     51.9 <118       *  +
 0 10:33:00   0:01:00   50      43

21  6/01/05    50.0     57.4 <118         *    +
 0 10:34:00   0:01:00   52      43

22  6/01/05    46.7     50.7 <118       * +
 0 10:35:00   0:01:00   48      43

23  6/01/05    49.5     54.7 <118         *  +
 0 10:36:00   0:01:00   53      44

24  6/01/05    46.6     50.2 <118       * +
 0 10:37:00   0:01:00   49      43

25  6/01/05    54.7     58.6 <118           *  +
 0 10:38:00   0:01:00   57      48

26  6/01/05    53.8     58.1 <118          *  +
 0 10:39:00   0:01:00   55      49

27  6/01/05    50.7     57.1 <118         *    +
 0 10:40:00   0:01:00   52      46

28  6/01/05    56.2     59.3 <118           * +
 0 10:41:00   0:01:00   58      52

29  6/01/05    52.8     57.7 <118          *  +
 0 10:42:00   0:01:00   56      47

30  6/01/05    56.5     63.3 <118           *    +
 0 10:43:00   0:01:00   60      47

31  6/01/05    55.6     61.0 <118           *  +
 0 10:44:00   0:01:00   58      51

32  6/01/05    55.1     59.7 <118          *  +
 0 10:45:00   0:01:00   57      49

33  6/01/05    55.8     59.7 <118           * +
 0 10:46:00   0:01:00   59      50

34  6/01/05    55.8     61.2 <118           *  +
 0 10:47:00   0:01:00   58      50

35  6/01/05    51.8     55.5 <118         *  +
 0 10:48:00   0:01:00   54      47

36  6/01/05    55.6     61.2 <118           *  +
 0 10:49:00   0:01:00   59      47

37  6/01/05    51.6     54.3 <118         * +
 0 10:50:00   0:01:00   53      48
```

```
38  6/01/05   55.6     58.3 <118              *+
 0 10:51:00  0:01:00   57      49

39  6/01/05   54.3     59.4 <118            *  +
 0 10:52:00  0:01:00   56      50

40  6/01/05   62.8     74.0 <118                  *        +
 0 10:53:00  0:01:00   66      49

41  6/01/05   62.0     67.7 <118                  *  +
 0 10:54:00  PARTIAL   64      55
```

```
**********************************************************************
Filename..............SG615913
Test Location.........17737 Cliffbourne Lane (R 5-3)
Employee Name.........MJM
Employee Number........
Date..................6/1/05
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 5913
REPORT PRINTED ON 06/02/05 at 10:53:58

User ID: _____________________________

The Wilson T. Ballard Co




LOGGING STARTED......06/01/05 at 10:10:00
TOTAL LOGGING TIME...0 DAYS 00:43:11
LOGGING STOPPED......06/01/05 at 10:53:11
TOTAL INTERVALS......44
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....06/01/05 AT 08:33:47
PRE-TEST CALIBRATION RANGE...40.2 TO 140.2 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE


<<< SUMMARY REPORT FOR TEST NUMBER 1 OF 3 >>>

EXCHANGE RATE..........3dB
CUTOFFS.................. 80dB  90dB
CEILING................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  64.9dB
Lav ( 80).......  54.0dB
Lav ( 90).......  40.2dB
SEL.............  98.9dB

TWA.............  54.4dB
TWA ( 80).......  43.6dB
TWA ( 90).......  40.2dB

Lmax............  84.9dB  06/01/05 at 10:26:01
Lpk............UNDER RANGE
TIME OVER 115dB...00:00:00.00

DOSE ( 80)........     0.00%
PROJ. DOSE ( 80)..     0.00%
```

DOSE (90)..... 0.00%
PROJ. DOSE (90).. 0.00%

<<< TIME HISTORY REPORT FOR TEST NUMBER 1 OF 3 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
06/01/05					
10:10:00	62.5	69.3	UNDER	67.2	50.2
10:10:59	66.1	71.7	UNDER	68.2	59.2
10:11:58	63.3	68.9	UNDER	66.2	58.2
10:12:57	60.2	64.8	UNDER	62.2	56.2
10:13:56	65.4	72.3	UNDER	69.2	54.2
10:14:55	63.0	70.9	UNDER	65.2	56.2
10:15:54	67.7	77.3	UNDER	72.2	57.2
10:16:53	61.6	68.1	UNDER	65.2	55.2
10:17:52	63.5	69.8	UNDER	67.2	57.2
10:18:51	65.1	73.8	UNDER	69.2	58.2
10:19:50	62.4	68.8	UNDER	65.2	57.2
10:20:49	68.7	78.1	UNDER	72.2	62.2
10:21:48	63.7	70.0	UNDER	67.2	58.2
10:22:47	65.4	76.4	UNDER	68.2	56.2
10:23:46	61.6	68.0	UNDER	64.2	56.2
10:24:45	64.6	75.3	UNDER	67.2	54.2
10:25:44	71.8	84.9	UNDER	73.2	58.2
10:26:43	61.1	65.6	UNDER	64.2	53.2
10:27:42	66.1	74.5	UNDER	69.2	54.2
10:28:41	63.4	70.8	UNDER	66.2	57.2
10:29:40	61.0	66.6	UNDER	64.2	50.2
10:30:39	62.8	66.4	UNDER	65.2	55.2
10:31:38	61.6	66.9	UNDER	65.2	52.2
10:32:37	61.7	72.4	UNDER	65.2	56.2
10:33:36	66.3	76.6	UNDER	70.2	49.2
10:34:35	60.5	66.1	UNDER	63.2	54.2
10:35:34	64.6	72.4	UNDER	69.2	56.2
10:36:33	61.2	69.3	UNDER	65.2	49.2
10:37:32	66.7	75.2	UNDER	70.2	59.2
10:38:31	64.6	71.7	UNDER	67.2	58.2
10:39:30	60.1	68.0	UNDER	62.2	51.2
10:40:29	66.7	72.8	UNDER	70.2	61.2
10:41:28	61.1	66.1	UNDER	64.2	53.2
10:42:27	66.7	75.9	UNDER	71.2	53.2
10:43:26	66.1	75.3	UNDER	71.2	58.2
10:44:25	65.0	73.2	UNDER	68.2	58.2
10:45:24	66.4	72.5	UNDER	70.2	59.2
10:46:23	66.0	73.3	UNDER	70.2	57.2
10:47:22	60.8	66.5	UNDER	63.2	55.2
10:48:21	66.5	75.7	UNDER	71.2	54.2
10:49:20	60.7	65.9	UNDER	63.2	55.2
10:50:19	66.1	72.4	UNDER	69.2	59.2
10:51:18	62.8	69.7	UNDER	65.2	57.2
10:52:17	60.8	71.7	UNDER	61.2	56.2

```
**********************************************************************
Filename..............SG612572
Test Location.........17721 Cliffbourne Lane (R 5-3A)
Employee Name.........MJM
Employee Number........
Date..................6/1/05
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 2572
REPORT PRINTED ON 06/02/05 at 10:52:15

User ID: _____________________________

The Wilson T. Ballard Co




LOGGING STARTED......06/01/05 at 10:20:00
TOTAL LOGGING TIME...0 DAYS 00:30:58
LOGGING STOPPED......06/01/05 at 10:50:58
TOTAL INTERVALS......31
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....06/01/05 AT 08:33:15
PRE-TEST CALIBRATION RANGE...38.7 TO 138.7 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE


<<< SUMMARY REPORT FOR TEST NUMBER 1 OF 3 >>>

EXCHANGE RATE..........3dB
CUTOFFS.................. 80dB  90dB
CEILING.................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  63.2dB
Lav ( 80).......  53.8dB
Lav ( 90).......  38.7dB
SEL.............  95.8dB

TWA.............  51.4dB
TWA ( 80).......  41.9dB
TWA ( 90).......  38.7dB

Lmax............  82.4dB  06/01/05 at 10:26:07
Lpk.............UNDER RANGE
TIME OVER 115dB...00:00:00.00

DOSE ( 80)........     0.00%
PROJ. DOSE ( 80)..     0.00%
```

DOSE (90)........ 0.00%
PROJ. DOSE (90).. 0.00%

<<< TIME HISTORY REPORT FOR TEST NUMBER 1 OF 3 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
06/01/05					
10:20:00	60.6	68.0	UNDER	62.7	52.7
10:21:00	65.7	71.2	UNDER	68.7	60.7
10:22:00	62.0	66.8	UNDER	64.7	59.7
10:23:00	62.0	70.5	UNDER	64.7	56.7
10:24:00	61.4	67.6	UNDER	66.7	54.7
10:25:00	61.1	66.1	UNDER	65.7	52.7
10:26:00	70.8	82.4	UNDER	74.7	58.7
10:27:00	58.8	62.6	UNDER	61.7	53.7
10:28:00	64.1	69.8	UNDER	68.7	54.7
10:29:00	61.7	69.6	UNDER	64.7	57.7
10:30:00	59.5	65.3	UNDER	62.7	49.7
10:31:00	61.5	65.2	UNDER	64.7	57.7
10:32:00	60.4	64.7	UNDER	63.7	55.7
10:33:00	59.0	65.6	UNDER	62.7	54.7
10:34:00	63.6	68.0	UNDER	67.7	48.7
10:35:00	58.6	63.6	UNDER	61.7	54.7
10:36:00	62.7	69.7	UNDER	67.7	56.7
10:37:00	59.1	67.4	UNDER	62.7	47.7
10:38:00	64.3	69.3	UNDER	67.7	58.7
10:39:00	62.7	69.2	UNDER	65.7	54.7
10:40:00	57.0	62.3	UNDER	61.7	48.7
10:41:00	65.9	71.6	UNDER	69.7	60.7
10:42:00	61.2	72.0	UNDER	62.7	52.7
10:43:00	64.5	72.0	UNDER	69.7	49.7
10:44:00	63.6	74.7	UNDER	65.7	55.7
10:45:00	64.0	73.2	UNDER	67.7	58.7
10:46:00	65.3	73.4	UNDER	70.7	58.7
10:47:00	63.3	68.3	UNDER	67.7	58.7
10:48:00	60.5	66.9	UNDER	64.7	53.7
10:49:00	64.3	72.0	UNDER	68.7	53.7
10:50:00	57.8	64.7	UNDER	61.7	52.7

```
**********************************************************************
Filename.............SG615913
Test Location.........17733 Cliffbourne Lane (R5-3B)
Employee Name.........MJM
Employee Number........
Date..................6/1/05
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 5913
REPORT PRINTED ON 06/02/05 at 10:54:13

User ID: _____________________________

The Wilson T. Ballard Co



LOGGING STARTED......06/01/05 at 11:21:00
TOTAL LOGGING TIME...0 DAYS 00:26:46
LOGGING STOPPED......06/01/05 at 11:47:46
TOTAL INTERVALS......27
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....06/01/05 AT 08:33:47
PRE-TEST CALIBRATION RANGE...40.2 TO 140.2 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE


<<< SUMMARY REPORT FOR TEST NUMBER 2 OF 3 >>>

EXCHANGE RATE..........3dB
CUTOFFS.................. 80dB  90dB
CEILING................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  62.9dB
Lav ( 80)......  40.2dB
Lav ( 90)......  40.2dB
SEL.............  94.9dB

TWA.............  50.4dB
TWA ( 80)......  40.2dB
TWA ( 90)......  40.2dB

Lmax............  77.3dB  06/01/05 at 11:24:27
Lpk............UNDER RANGE
TIME OVER 115dB...00:00:00.00

DOSE ( 80)........     0.00%
PROJ. DOSE ( 80)..     0.00%
```

DOSE (90)........ 0.00%
PROJ. DOSE (90).. 0.00%

<<< TIME HISTORY REPORT FOR TEST NUMBER 2 OF 3 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
06/01/05					
11:21:00	63.5	70.0	UNDER	66.2	58.2
11:22:00	59.9	65.2	UNDER	62.2	52.2
11:23:00	67.1	74.1	UNDER	71.2	59.2
11:24:00	66.1	77.3	UNDER	68.2	50.2
11:25:00	61.2	69.6	UNDER	63.2	55.2
11:26:00	64.8	70.8	UNDER	68.2	58.2
11:27:00	62.1	67.7	UNDER	65.2	53.2
11:28:00	65.1	74.0	UNDER	70.2	50.2
11:29:00	62.6	72.1	UNDER	66.2	56.2
11:30:00	62.0	66.8	UNDER	64.2	55.2
11:31:00	61.6	66.5	UNDER	64.2	53.2
11:32:00	61.3	69.6	UNDER	64.2	54.2
11:33:00	62.2	69.3	UNDER	65.2	54.2
11:34:00	60.6	68.8	UNDER	63.2	54.2
11:35:00	60.0	64.8	UNDER	63.2	52.2
11:36:00	64.9	72.2	UNDER	68.2	52.2
11:37:00	60.2	65.7	UNDER	63.2	54.2
11:38:00	62.1	71.3	UNDER	64.2	55.2
11:39:00	64.6	71.6	UNDER	67.2	60.2
11:40:00	58.5	62.5	UNDER	61.2	49.2
11:41:00	62.0	68.1	UNDER	66.2	49.2
11:42:00	61.8	68.5	UNDER	65.2	57.2
11:43:00	62.3	74.3	UNDER	64.2	55.2
11:44:00	64.3	72.8	UNDER	68.2	53.2
11:45:00	58.1	62.8	UNDER	61.2	52.2
11:46:00	64.1	68.2	UNDER	66.2	59.2
11:47:00	60.0	70.0	UNDER	64.2	50.2

```
**********************************************************************
Filename.............SG121572
Test Location.........17809 Cliffbourne Land (R 5-4)
Employee Name.........MJM, LAA
Employee Number........
Date..................12/15/04 (traffic count 2:06PM-2:06PM)
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 2572
REPORT PRINTED ON 12/16/04 at 10:38:55

User ID: _____

The Wilson T. Ballard Co




LOGGING STARTED......12/15/04 at 13:56:00
TOTAL LOGGING TIME...0 DAYS 00:38:44
LOGGING STOPPED......12/15/04 at 14:34:44
TOTAL INTERVALS......39
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....12/15/04 AT 08:18:51
PRE-TEST CALIBRATION RANGE...38.7 TO 138.7 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE


<<< SUMMARY REPORT FOR TEST NUMBER 5 OF 7 >>>

EXCHANGE RATE.........3dB
CUTOFFS.................. 80dB  90dB
CEILING.................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  61.4dB
Lav ( 80)......  54.4dB
Lav ( 90)......  38.7dB
SEL.............  94.9dB

TWA.............  50.5dB
TWA ( 80)......  43.5dB
TWA ( 90)......  38.7dB

Lmax............  84.4dB  12/15/04 at 13:57:13
Lpk.............UNDER RANGE
TIME OVER 115dB...00:00:00.00

DOSE ( 80)........     0.00%
PROJ. DOSE ( 80)..     0.00%
DOSE ( 90)........     0.00%
PROJ. DOSE ( 90)..     0.00%


<<< TIME HISTORY REPORT FOR TEST NUMBER 5 OF 7 >>>

   TIME            Lav       Lmax        Lpk     L(10.0)     L(90.0)
                   dBA        dBA        dBC         dBA         dBA
12/15/04
13:56:00          62.9       73.6      UNDER        68.7        56.7
13:57:00          74.1       84.4      UNDER        79.7        54.7
13:58:00          57.9       63.7      UNDER        60.7        54.7
13:59:00          60.5       66.1      UNDER        64.7        55.7
14:00:00          58.8       66.1      UNDER        62.7        52.7
```

14:01:00	60.0	68.8	UNDER	63.7	54.7
14:02:00	54.7	57.6	UNDER	57.7	51.7
14:03:00	55.5	60.0	UNDER	58.7	49.7
14:04:00	59.4	67.7	UNDER	60.7	51.7
14:05:00	59.1	69.2	UNDER	63.7	52.7
14:06:00	56.5	63.2	UNDER	59.7	52.7
14:07:00	59.0	64.6	UNDER	62.7	54.7
14:08:00	54.6	57.6	UNDER	56.7	51.7
14:09:00	56.7	61.9	UNDER	60.7	50.7
14:10:00	56.8	62.0	UNDER	59.7	51.7
14:11:00	57.7	64.0	UNDER	60.7	54.7
14:12:00	56.9	60.5	UNDER	59.7	51.7
14:13:00	57.1	64.0	UNDER	59.7	52.7
14:14:00	59.7	68.0	UNDER	62.7	55.7
14:15:00	55.6	62.0	UNDER	59.7	51.7
14:16:00	54.8	57.9	UNDER	56.7	52.7
14:17:00	56.9	62.0	UNDER	59.7	52.7
14:18:00	56.5	60.8	UNDER	59.7	52.7
14:19:00	61.2	67.8	UNDER	64.7	51.7
14:20:00	55.6	60.0	UNDER	58.7	52.7
14:21:00	57.5	63.6	UNDER	61.7	53.7
14:22:00	57.1	64.0	UNDER	61.7	50.7
14:23:00	55.3	58.4	UNDER	57.7	51.7
14:24:00	57.5	60.1	UNDER	59.7	54.7
14:25:00	56.5	62.0	UNDER	59.7	52.7
14:26:00	58.9	64.0	UNDER	62.7	55.7
14:27:00	60.8	67.0	UNDER	64.7	56.7
14:28:00	56.6	63.1	UNDER	59.7	52.7
14:29:00	61.9	69.2	UNDER	65.7	56.7
14:30:00	55.5	60.0	UNDER	58.7	53.7
14:31:00	57.6	62.0	UNDER	60.7	52.7
14:32:00	59.1	66.6	UNDER	61.7	56.7
14:33:00	63.0	72.0	UNDER	67.7	54.7
14:34:00	60.1	62.3	UNDER	61.7	54.7

```
**********************************************************************
Filename..............SG615912
Test Location.........17801 Cliffbourne Lane (R 5-4A)
Employee Name.........MJM
Employee Number........
Date..................6/1/05
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 5912
REPORT PRINTED ON 06/02/05 at 10:53:08

User ID: _____________________________

The Wilson T. Ballard Co




LOGGING STARTED......06/01/05 at 10:04:00
TOTAL LOGGING TIME...0 DAYS 00:52:58
LOGGING STOPPED......06/01/05 at 10:56:58
TOTAL INTERVALS......53
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....06/01/05 AT 08:34:12
PRE-TEST CALIBRATION RANGE...40.1 TO 140.1 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE


<<< SUMMARY REPORT FOR TEST NUMBER 1 OF 3 >>>

EXCHANGE RATE..........3dB
CUTOFFS.................. 80dB  90dB
CEILING.................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  63.7dB
Lav ( 80)......  40.1dB
Lav ( 90)......  40.1dB
SEL.............  98.6dB

TWA.............  54.2dB
TWA ( 80)......  40.1dB
TWA ( 90)......  40.1dB

Lmax............  78.3dB  06/01/05 at 10:21:47
Lpk............UNDER RANGE
TIME OVER 115dB...00:00:00.00

DOSE ( 80)........     0.00%
PROJ. DOSE ( 80)..     0.00%
```

DOSE (90)..... 0.00%
PROJ. DOSE (90).. 0.00%

<<< TIME HISTORY REPORT FOR TEST NUMBER 1 OF 3 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
06/01/05					
10:11:00	66.5	73.7	UNDER	70.1	58.1
10:12:00	61.8	66.0	UNDER	64.1	57.1
10:13:00	60.8	66.0	UNDER	64.1	55.1
10:14:00	63.0	69.5	UNDER	66.1	48.1
10:15:00	65.1	77.0	UNDER	67.1	57.1
10:16:00	65.3	76.3	UNDER	69.1	55.1
10:17:00	61.3	69.5	UNDER	64.1	53.1
10:18:00	64.1	71.2	UNDER	68.1	56.1
10:19:00	62.3	70.8	UNDER	65.1	54.1
10:20:00	62.9	69.7	UNDER	65.1	57.1
10:21:00	68.4	78.3	UNDER	70.1	59.1
10:22:00	61.6	67.1	UNDER	65.1	54.1
10:23:00	63.6	71.1	UNDER	68.1	52.1
10:24:00	59.7	64.4	UNDER	61.1	56.1
10:25:00	64.5	72.0	UNDER	66.1	54.1
10:26:00	63.2	72.7	UNDER	65.1	56.1
10:27:00	60.7	65.1	UNDER	64.1	51.1
10:28:00	64.3	70.6	UNDER	67.1	53.1
10:29:00	63.1	71.9	UNDER	66.1	55.1
10:30:00	60.4	65.2	UNDER	63.1	54.1
10:31:00	62.2	66.0	UNDER	65.1	54.1
10:32:00	60.1	65.5	UNDER	64.1	52.1
10:33:00	64.6	75.5	UNDER	66.1	53.1
10:34:00	62.6	72.7	UNDER	67.1	49.1
10:35:00	62.0	72.7	UNDER	64.1	52.1
10:36:00	64.1	72.3	UNDER	67.1	54.1
10:37:00	60.1	67.4	UNDER	64.1	50.1
10:38:00	65.6	73.5	UNDER	68.1	58.1
10:39:00	62.7	67.5	UNDER	65.1	56.1
10:40:00	59.7	68.4	UNDER	62.1	52.1
10:41:00	66.1	76.5	UNDER	69.1	58.1
10:42:00	59.5	64.7	UNDER	62.1	54.1
10:43:00	64.7	72.3	UNDER	68.1	55.1
10:44:00	64.4	72.0	UNDER	69.1	56.1
10:45:00	63.8	71.1	UNDER	66.1	58.1
10:46:00	64.3	71.1	UNDER	68.1	55.1
10:47:00	65.2	71.9	UNDER	69.1	56.1
10:48:00	60.9	68.9	UNDER	64.1	54.1
10:49:00	65.2	73.7	UNDER	70.1	51.1
10:50:00	60.1	65.4	UNDER	63.1	53.1
10:51:00	64.1	70.6	UNDER	67.1	52.1
10:52:00	61.1	67.3	UNDER	64.1	52.1
10:53:00	65.0	74.3	UNDER	67.1	54.1
10:54:00	64.4	73.6	UNDER	67.1	56.1
10:55:00	64.7	70.4	UNDER	68.1	55.1
10:56:00	63.2	72.7	UNDER	66.1	57.1

```
**********************************************************************
Filename..............SGRD5912
Test Location.........16600 BETHAYRES ROAD - R 6-1
Employee Name.........MJM, LAA
Employee Number........
Date..................11/23/04 (traffic count 11:51AM-12:11PM)
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 5912
REPORT PRINTED ON 11/24/04 at 15:47:55
User ID: _____________________________

The Wilson T. Ballard Co

LOGGING STARTED......11/23/04 at 11:46:00
TOTAL LOGGING TIME...0 DAYS 00:28:35
LOGGING STOPPED......11/23/04 at 12:14:35
TOTAL INTERVALS......29
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....11/23/04 AT 08:44:10
PRE-TEST CALIBRATION RANGE...40.1 TO 140.1 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE

<<< SUMMARY REPORT FOR TEST NUMBER 2 OF 5 >>>

EXCHANGE RATE..........3dB
CUTOFFS................. 80dB  90dB
CEILING................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  62.1dB
Lav ( 80)......  40.1dB
Lav ( 90)......  40.1dB
SEL.............  94.4dB

TWA.............  49.9dB
TWA ( 80)......  40.1dB
TWA ( 90)......  40.1dB

Lmax............  74.0dB  11/23/04 at 11:58:33
Lpk............UNDER RANGE
TIME OVER 115dB...00:00:00.00

DOSE ( 80)........     0.00%
PROJ. DOSE ( 80)..     0.00%
DOSE ( 90)........     0.00%
PROJ. DOSE ( 90)..     0.00%
```

<<< TIME HISTORY REPORT FOR TEST NUMBER 2 OF 5 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
11/23/04					
11:46:00	61.5	65.4	UNDER	64.1	57.1
11:47:00	62.7	66.7	UNDER	65.1	56.1
11:48:00	60.0	63.9	UNDER	62.1	52.1
11:49:00	64.5	67.1	UNDER	66.1	62.1
11:50:00	60.2	68.0	UNDER	63.1	51.1
11:51:00	64.1	67.5	UNDER	66.1	60.1
11:52:00	60.8	65.6	UNDER	64.1	54.1
11:53:00	61.4	64.4	UNDER	63.1	55.1
11:54:00	62.4	66.2	UNDER	65.1	56.1
11:55:00	59.8	65.6	UNDER	62.1	54.1
11:56:00	61.9	65.6	UNDER	65.1	53.1
11:57:00	59.9	63.1	UNDER	62.1	54.1
11:58:00	65.1	74.0	UNDER	67.1	60.1
11:59:00	59.3	63.9	UNDER	62.1	54.1
12:00:00	63.4	65.5	UNDER	65.1	60.1
12:01:00	58.6	62.8	UNDER	61.1	53.1
12:02:00	63.3	68.2	UNDER	65.1	59.1
12:03:00	61.8	67.4	UNDER	65.1	55.1
12:04:00	64.1	68.7	UNDER	67.1	57.1
12:05:00	61.4	65.1	UNDER	64.1	51.1
12:06:00	63.0	66.5	UNDER	65.1	53.1
12:07:00	62.5	66.0	UNDER	65.1	55.1
12:08:00	60.4	65.1	UNDER	64.1	52.1
12:09:00	64.0	67.8	UNDER	66.1	57.1
12:10:00	58.7	63.9	UNDER	62.1	53.1
12:11:00	63.9	65.9	UNDER	65.1	61.1
12:12:00	59.4	65.5	UNDER	62.1	52.1
12:13:00	62.3	66.4	UNDER	65.1	57.1
12:14:00	58.8	66.8	UNDER	62.1	54.1

```
**********************************************************************
Filename..............SGRD2572
Test Location.........16816 MALABAR STREET - R 6-2
Employee Name.........MJM, LAA
Employee Number........
Date..................11/23/04 (traffic count 11:51AM-12:11PM)
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 2572
REPORT PRINTED ON 11/24/04 at 14:49:28
User ID: _____________________________

The Wilson T. Ballard Co

LOGGING STARTED......11/23/04 at 11:29:00
TOTAL LOGGING TIME...0 DAYS 00:46:49
LOGGING STOPPED......11/23/04 at 12:15:49
TOTAL INTERVALS......47
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....11/23/04 AT 08:45:07
PRE-TEST CALIBRATION RANGE...38.5 TO 138.5 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE

<<< SUMMARY REPORT FOR TEST NUMBER 2 OF 5 >>>

EXCHANGE RATE..........3dB
CUTOFFS.................. 80dB  90dB
CEILING.................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  71.6dB
Lav ( 80)......  60.4dB
Lav ( 90)......  38.5dB
SEL............. 105.9dB

TWA.............  61.5dB
TWA ( 80)......  50.3dB
TWA ( 90)......  38.5dB

Lmax............  88.8dB  11/23/04 at 11:35:26
Lpk............. 109.1dB  11/23/04 at 11:51:00
TIME OVER 115dB...00:00:00.00

DOSE ( 80)........    0.01%
PROJ. DOSE ( 80)..    0.10%
DOSE ( 90)........    0.00%
PROJ. DOSE ( 90)..    0.00%
```

<<< TIME HISTORY REPORT FOR TEST NUMBER 2 OF 5 >>>

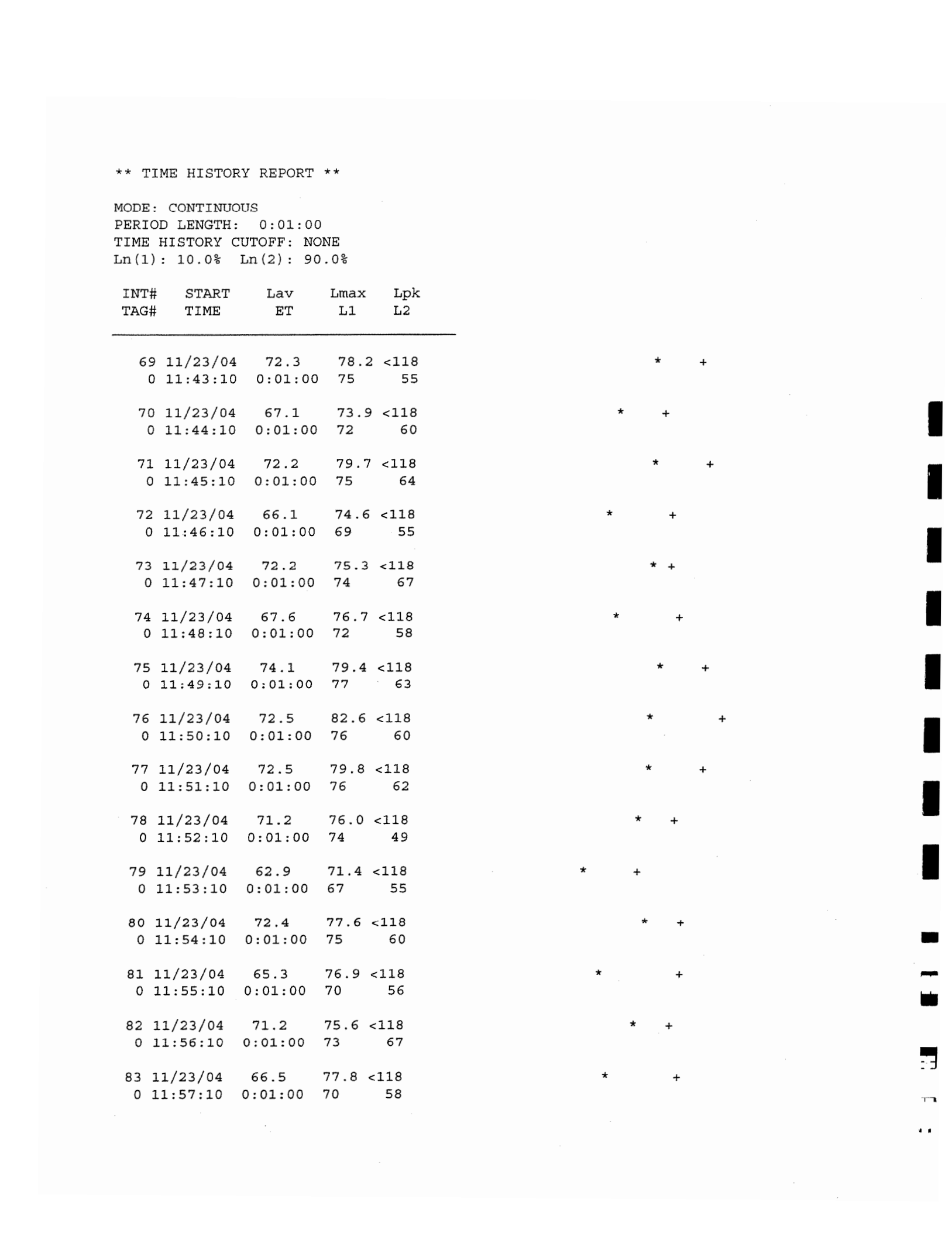
TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
11/23/04					
11:29:00	74.0	82.6	UNDER	77.5	64.5
11:30:00	68.1	73.4	UNDER	71.5	52.5
11:31:00	73.1	78.1	UNDER	76.5	67.5
11:32:00	71.3	78.2	UNDER	75.5	53.5
11:33:00	69.7	75.0	UNDER	72.5	62.5
11:34:00	72.1	79.0	UNDER	76.5	49.5
11:35:00	76.3	88.8	UNDER	77.5	61.5
11:36:00	72.2	75.9	UNDER	74.5	65.5
11:37:00	70.9	77.4	UNDER	75.5	60.5
11:38:00	72.4	78.6	UNDER	75.5	68.5
11:39:00	68.5	78.6	UNDER	72.5	49.5
11:40:00	71.2	76.2	UNDER	74.5	64.5
11:41:00	70.2	78.2	UNDER	73.5	59.5
11:42:00	71.1	78.3	UNDER	74.5	62.5
11:43:00	70.6	77.0	UNDER	73.5	53.5
11:44:00	71.3	78.2	UNDER	74.5	63.5
11:45:00	71.7	78.8	UNDER	75.5	58.5
11:46:00	69.9	80.2	UNDER	72.5	61.5
11:47:00	72.3	77.0	UNDER	75.5	66.5
11:48:00	68.2	74.3	UNDER	72.5	51.5
11:49:00	74.6	79.0	UNDER	77.5	68.5
11:50:00	68.6	76.6	UNDER	73.5	50.5
11:51:00	74.6	83.4	109.1	77.5	64.5
11:52:00	70.0	76.0	UNDER	75.5	51.5
11:53:00	69.6	77.0	UNDER	73.5	59.5
11:54:00	71.8	77.4	UNDER	75.5	60.5
11:55:00	69.7	78.2	UNDER	72.5	60.5
11:56:00	70.8	78.7	UNDER	74.5	59.5
11:57:00	67.5	72.2	UNDER	71.5	57.5
11:58:00	73.6	79.4	UNDER	77.5	68.5
11:59:00	67.5	72.6	UNDER	70.5	60.5
12:00:00	73.2	77.8	UNDER	76.5	65.5
12:01:00	68.7	74.7	UNDER	72.5	60.5
12:02:00	72.8	78.8	UNDER	75.5	65.5
12:03:00	71.2	79.5	UNDER	74.5	63.5
12:04:00	73.1	80.1	UNDER	76.5	60.5
12:05:00	70.7	75.9	UNDER	74.5	54.5
12:06:00	72.1	78.3	UNDER	75.5	55.5
12:07:00	72.2	77.0	UNDER	75.5	55.5
12:08:00	68.1	74.3	UNDER	72.5	56.5
12:09:00	73.4	80.1	UNDER	76.5	56.5
12:10:00	66.7	73.0	UNDER	70.5	57.5
12:11:00	72.7	77.8	UNDER	75.5	68.5
12:12:00	67.3	74.6	UNDER	70.5	57.5
12:13:00	71.6	78.6	UNDER	74.5	60.5
12:14:00	69.6	75.4	UNDER	73.5	55.5
12:15:00	72.5	77.0	UNDER	75.5	67.5

```
*************************************************************************
Filename.......SGRD1875
Location.......16836 MALABAR STREET
Receptor.......R 6-3
Date...........11/23/04 (traffic count 11:51AM-12:11PM)

Personnel......MJM, LAA
*************************************************************************

METROSONICS db-308 SN 1875 V2.3  3/87

CURRENT DATE: 11/23/04
CURRENT TIME: 17:09:50

CALIBRATED:  11/23/04  @   8:47:52

DISPLAY RANGE:  43.0dB TO 139.0dB

DOUBLING RATE:  3 dB

FILTER: A WGHT

RESPONSE:  SLOW

SCHEDULED RUN: OFF

   START DATE: 1/01/85
   START TIME: 0:00:00
   LENGTH:     1:00:00


** OVERALL REPORT **

TEST STARTING DATE:  11/23/04
TEST STARTING TIME:  10:04:54
TEST LENGTH:     0DAYS  2:37:03

Lav    = 67.8dB
Lav  80= 59.8dB
Lav  90= 58.4dB
SEL    =107.4dB

Lmax = 94.6dB  ON 11/23/04 @ 10:32:49
Lpk  =  134dB  ON 11/23/04 @ 10:04:56

TIME OVER 115dB  0D  0:00:00.00

DOSE CRITERION:  90dB

 8 HR DOSE ( 80dB CUTOFF)=  0.03%
 8 HR PROJ. DOSE ( 80dB CUTOFF)=  0.09%
 8 HR DOSE ( 90dB CUTOFF)=  0.02%
 8 HR PROJ. DOSE ( 90dB CUTOFF)=  0.06%
```

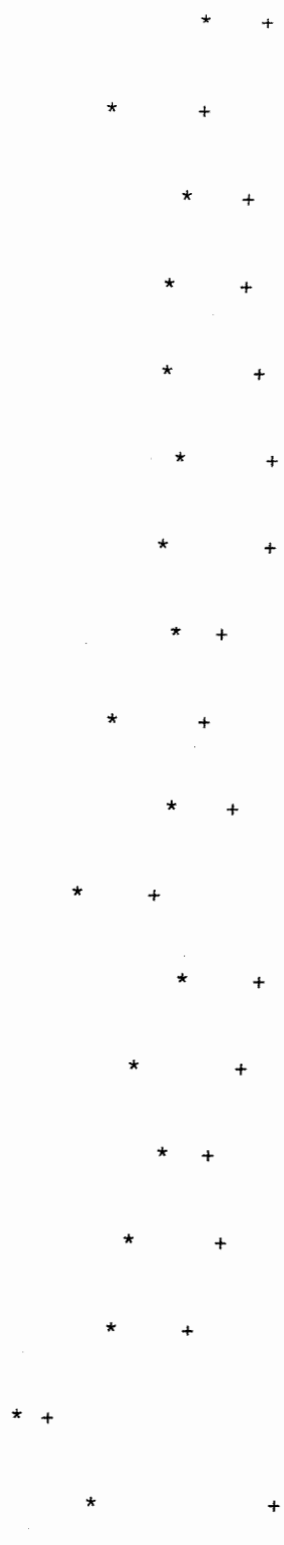
** TIME HISTORY REPORT **

MODE: CONTINUOUS
PERIOD LENGTH: 0:01:00
TIME HISTORY CUTOFF: NONE
Ln(1): 10.0% Ln(2): 90.0%

INT# TAG#	START TIME	Lav ET	Lmax L1	Lpk L2
69 0	11/23/04 11:43:10	72.3 0:01:00	78.2 75	<118 55
70 0	11/23/04 11:44:10	67.1 0:01:00	73.9 72	<118 60
71 0	11/23/04 11:45:10	72.2 0:01:00	79.7 75	<118 64
72 0	11/23/04 11:46:10	66.1 0:01:00	74.6 69	<118 55
73 0	11/23/04 11:47:10	72.2 0:01:00	75.3 74	<118 67
74 0	11/23/04 11:48:10	67.6 0:01:00	76.7 72	<118 58
75 0	11/23/04 11:49:10	74.1 0:01:00	79.4 77	<118 63
76 0	11/23/04 11:50:10	72.5 0:01:00	82.6 76	<118 60
77 0	11/23/04 11:51:10	72.5 0:01:00	79.8 76	<118 62
78 0	11/23/04 11:52:10	71.2 0:01:00	76.0 74	<118 49
79 0	11/23/04 11:53:10	62.9 0:01:00	71.4 67	<118 55
80 0	11/23/04 11:54:10	72.4 0:01:00	77.6 75	<118 60
81 0	11/23/04 11:55:10	65.3 0:01:00	76.9 70	<118 56
82 0	11/23/04 11:56:10	71.2 0:01:00	75.6 73	<118 67
83 0	11/23/04 11:57:10	66.5 0:01:00	77.8 70	<118 58



84	11/23/04	73.6	78.6	<118	
0	11:58:10	0:01:00	76	66	
85	11/23/04	66.1	73.4	<118	
0	11:59:10	0:01:00	70	59	
86	11/23/04	72.3	77.4	<118	
0	12:00:10	0:01:00	75	61	
87	11/23/04	70.5	77.9	<118	
0	12:01:10	0:01:00	74	61	
88	11/23/04	71.1	78.7	<118	
0	12:02:10	0:01:00	74	63	
89	11/23/04	72.6	80.1	<118	
0	12:03:10	0:01:00	75	66	
90	11/23/04	70.6	80.6	<118	
0	12:04:10	0:01:00	74	60	
91	11/23/04	72.4	76.7	<118	
0	12:05:10	0:01:00	75	60	
92	11/23/04	67.1	75.2	<118	
0	12:06:10	0:01:00	73	58	
93	11/23/04	72.4	77.1	<118	
0	12:07:10	0:01:00	75	64	
94	11/23/04	64.6	71.0	<118	
0	12:08:10	0:01:00	67	60	
95	11/23/04	73.2	80.1	<118	
0	12:09:10	0:01:00	76	62	
96	11/23/04	69.8	78.4	<118	
0	12:10:10	0:01:00	72	61	
97	11/23/04	71.9	76.2	<118	
0	12:11:10	0:01:00	74	63	
98	11/23/04	69.8	77.8	<118	
0	12:12:10	0:01:00	74	60	
99	11/23/04	68.8	74.5	<118	
0	12:13:10	0:01:00	73	55	
100	11/23/04	60.7	63.2	<118	
0	12:14:10	0:01:00	62	57	
101	11/23/04	66.6	82.5	118	
0	12:15:10	0:01:00	65	55	



```
**********************************************************************
Filename..............SGRD5913
Test Location.........16825 MALABAR STREET - R 6-4
Employee Name.........MJM, LAA
Employee Number........
Date..................11/23/04 (traffic count 11:51AM-12:11PM)
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 5913
REPORT PRINTED ON 11/24/04 at 16:12:51
User ID: _____

The Wilson T. Ballard Co

LOGGING STARTED......11/23/04 at 11:33:00
TOTAL LOGGING TIME...0 DAYS 00:41:54
LOGGING STOPPED......11/23/04 at 12:14:54
TOTAL INTERVALS......42
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....11/23/04 AT 08:43:22
PRE-TEST CALIBRATION RANGE...40.2 TO 140.2 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE

<<< SUMMARY REPORT FOR TEST NUMBER 2 OF 5 >>>

EXCHANGE RATE..........3dB
CUTOFFS................. 80dB  90dB
CEILING................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  56.7dB
Lav ( 80).......  40.2dB
Lav ( 90).......  40.2dB
SEL.............  90.6dB

TWA.............  46.2dB
TWA ( 80).......  40.2dB
TWA ( 90).......  40.2dB

Lmax............  66.1dB  11/23/04 at 11:51:09
Lpk............UNDER RANGE
TIME OVER 115dB...00:00:00.00

DOSE ( 80)........     0.00%
PROJ. DOSE ( 80)..     0.00%
DOSE ( 90)........     0.00%
PROJ. DOSE ( 90)..     0.00%
```

<<< TIME HISTORY REPORT FOR TEST NUMBER 2 OF 5 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
11/23/04					
11:33:00	53.9	59.2	UNDER	56.2	51.2
11:34:00	57.1	61.9	UNDER	60.2	47.2
11:35:00	55.3	64.4	UNDER	59.2	49.2
11:36:00	58.0	61.6	UNDER	60.2	52.2
11:37:00	55.6	60.3	UNDER	59.2	51.2
11:38:00	57.9	60.4	UNDER	59.2	54.2
11:39:00	54.4	62.8	UNDER	59.2	47.2
11:40:00	57.4	60.6	UNDER	60.2	51.2
11:41:00	54.4	59.2	UNDER	57.2	48.2
11:42:00	55.3	60.1	UNDER	59.2	50.2
11:43:00	57.2	64.8	UNDER	61.2	46.2
11:44:00	55.7	60.6	UNDER	59.2	50.2
11:45:00	56.8	61.3	UNDER	60.2	50.2
11:46:00	54.3	59.2	UNDER	56.2	51.2
11:47:00	57.9	60.5	UNDER	59.2	55.2
11:48:00	54.1	60.5	UNDER	57.2	48.2
11:49:00	59.2	62.1	UNDER	61.2	54.2
11:50:00	53.1	57.2	UNDER	56.2	47.2
11:51:00	59.8	66.1	UNDER	62.2	54.2
11:52:00	55.4	60.9	UNDER	60.2	46.2
11:53:00	55.4	60.5	UNDER	59.2	48.2
11:54:00	56.7	60.5	UNDER	60.2	47.2
11:55:00	54.2	60.2	UNDER	57.2	48.2
11:56:00	56.8	60.8	UNDER	59.2	48.2
11:57:00	54.9	61.7	UNDER	58.2	50.2
11:58:00	59.3	64.1	UNDER	62.2	54.2
11:59:00	53.7	59.2	UNDER	56.2	51.2
12:00:00	58.0	60.9	UNDER	60.2	53.2
12:01:00	55.4	62.4	UNDER	58.2	50.2
12:02:00	58.0	62.4	UNDER	60.2	54.2
12:03:00	56.7	62.0	UNDER	59.2	53.2
12:04:00	58.9	63.7	UNDER	62.2	53.2
12:05:00	57.1	61.2	UNDER	60.2	50.2
12:06:00	57.9	62.5	UNDER	60.2	50.2
12:07:00	57.4	61.6	UNDER	60.2	49.2
12:08:00	53.3	59.5	UNDER	56.2	49.2
12:09:00	58.4	62.9	UNDER	61.2	52.2
12:10:00	53.3	56.8	UNDER	54.2	51.2
12:11:00	59.2	62.4	UNDER	60.2	57.2
12:12:00	54.1	59.8	UNDER	57.2	51.2
12:13:00	57.6	62.7	UNDER	61.2	52.2
12:14:00	57.3	63.7	UNDER	60.2	53.2

```
**********************************************************************
Filename..............SGRD2572
Test Location.........16937 BRIARDALE ROAD - R 7A-1
Employee Name.........MJM, LAA
Employee Number........
Date..................11/23/04 (traffic count 1:08PM-1:28PM)
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 2572
REPORT PRINTED ON 11/24/04 at 15:14:15
User ID: _____

The Wilson T. Ballard Co

LOGGING STARTED......11/23/04 at 12:56:00
TOTAL LOGGING TIME...0 DAYS 00:43:08
LOGGING STOPPED......11/23/04 at 13:39:08
TOTAL INTERVALS......44
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....11/23/04 AT 08:45:07
PRE-TEST CALIBRATION RANGE...38.5 TO 138.5 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE

<<< SUMMARY REPORT FOR TEST NUMBER 3 OF 5 >>>

EXCHANGE RATE..........3dB
CUTOFFS.................. 80dB  90dB
CEILING................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  70.6dB
Lav ( 80).......  59.9dB
Lav ( 90).......  38.5dB
SEL............. 104.6dB

TWA.............  60.1dB
TWA ( 80).......  49.5dB
TWA ( 90).......  38.5dB

Lmax............  85.0dB  11/23/04 at 13:28:05
Lpk............UNDER RANGE
TIME OVER 115dB...00:00:00.00

DOSE ( 80)........     0.00%
PROJ. DOSE ( 80)..     0.00%
DOSE ( 90)........     0.00%
PROJ. DOSE ( 90)..     0.00%
```

<<< TIME HISTORY REPORT FOR TEST NUMBER 3 OF 5 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
11/23/04					
12:56:00	68.8	78.2	UNDER	74.5	55.5
12:56:59	71.0	77.3	UNDER	74.5	57.5
12:57:58	68.4	76.0	UNDER	72.5	54.5
12:58:57	70.4	77.5	UNDER	75.5	59.5
12:59:56	72.4	79.4	UNDER	76.5	55.5
13:00:55	73.6	83.8	UNDER	79.5	58.5
13:01:54	70.5	74.6	UNDER	73.5	55.5
13:02:53	67.3	73.4	UNDER	72.5	56.5
13:03:52	71.7	77.0	UNDER	75.5	65.5
13:04:51	64.3	74.9	UNDER	67.5	55.5
13:05:50	72.3	78.5	UNDER	75.5	68.5
13:06:49	67.8	75.1	UNDER	73.5	55.5
13:07:48	71.9	78.2	UNDER	74.5	59.5
13:08:47	69.0	75.5	UNDER	74.5	56.5
13:09:46	69.4	74.7	UNDER	72.5	59.5
13:10:45	71.7	79.7	UNDER	76.5	56.5
13:11:44	68.6	77.5	UNDER	73.5	57.5
13:12:43	70.4	75.2	UNDER	73.5	54.5
13:13:42	67.1	72.7	UNDER	71.5	58.5
13:14:41	72.8	80.6	UNDER	77.5	68.5
13:15:40	62.9	71.9	UNDER	67.5	54.5
13:16:39	70.2	73.2	UNDER	72.5	66.5
13:17:38	66.4	73.4	UNDER	71.5	56.5
13:18:37	72.4	77.8	UNDER	75.5	64.5
13:19:36	71.9	82.2	UNDER	75.5	55.5
13:20:35	70.6	76.3	UNDER	74.5	60.5
13:21:34	69.7	75.0	UNDER	73.5	58.5
13:22:33	66.8	73.0	UNDER	71.5	56.5
13:23:32	71.6	76.6	UNDER	75.5	54.5
13:24:31	66.7	73.8	UNDER	72.5	57.5
13:25:30	73.1	77.4	UNDER	75.5	66.5
13:26:29	69.6	78.1	UNDER	75.5	59.5
13:27:28	76.0	85.0	UNDER	80.5	69.5
13:28:27	67.8	73.4	UNDER	72.5	59.5
13:29:26	73.7	79.7	UNDER	78.5	61.5
13:30:25	70.5	77.8	UNDER	75.5	57.5
13:31:24	70.5	77.1	UNDER	73.5	57.5
13:32:23	69.8	76.4	UNDER	73.5	53.5
13:33:22	69.0	75.8	UNDER	73.5	57.5
13:34:21	70.6	75.8	UNDER	74.5	60.5
13:35:20	64.9	71.8	UNDER	69.5	56.5
13:36:19	72.1	77.8	UNDER	73.5	69.5
13:37:18	63.1	71.4	UNDER	68.5	53.5
13:38:17	71.4	74.7	UNDER	74.5	68.5

```
**********************************************************************
Filename.............SGRD5912
Test Location.........16921 BRIARDALE ROAD - R 7A-2
Employee Name.........MJM, LAA
Employee Number.......
Date..................11/23/04 (traffic count 1:08PM-1:28PM)
Calibrator Type.......
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 5912
REPORT PRINTED ON 11/24/04 at 15:58:29
User ID: _____

The Wilson T. Ballard Co

LOGGING STARTED......11/23/04 at 12:50:00
TOTAL LOGGING TIME...0 DAYS 00:46:35
LOGGING STOPPED......11/23/04 at 13:36:35
TOTAL INTERVALS......47
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....11/23/04 AT 08:44:10
PRE-TEST CALIBRATION RANGE...40.1 TO 140.1 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE

<<< SUMMARY REPORT FOR TEST NUMBER 3 OF 5 >>>

EXCHANGE RATE..........3dB
CUTOFFS.................. 80dB  90dB
CEILING................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  58.9dB
Lav ( 80)......  40.1dB
Lav ( 90)......  40.1dB
SEL.............  93.2dB

TWA.............  48.8dB
TWA ( 80)......  40.1dB
TWA ( 90)......  40.1dB

Lmax............  73.5dB  11/23/04 at 13:29:50
Lpk............UNDER RANGE
TIME OVER 115dB...00:00:00.00

DOSE ( 80)........     0.00%
PROJ. DOSE ( 80)..     0.00%
DOSE ( 90)........     0.00%
PROJ. DOSE ( 90)..     0.00%
```

<<< TIME HISTORY REPORT FOR TEST NUMBER 3 OF 5 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
11/23/04					
12:50:00	58.8	63.9	UNDER	61.1	52.1
12:51:00	59.0	63.4	UNDER	62.1	52.1
12:52:00	53.1	56.7	UNDER	56.1	50.1
12:53:00	58.6	61.5	UNDER	60.1	56.1
12:54:00	53.6	58.5	UNDER	55.1	50.1
12:55:00	58.7	61.1	UNDER	60.1	56.1
12:56:00	57.8	64.7	UNDER	63.1	50.1
12:57:00	58.6	63.5	UNDER	62.1	50.1
12:58:00	56.1	61.1	UNDER	59.1	47.1
12:59:00	57.7	62.4	UNDER	61.1	52.1
13:00:00	59.3	63.9	UNDER	62.1	49.1
13:01:00	60.3	67.5	UNDER	66.1	52.1
13:02:00	57.5	60.9	UNDER	60.1	50.1
13:03:00	55.4	59.9	UNDER	59.1	49.1
13:04:00	58.9	62.7	UNDER	62.1	51.1
13:05:00	54.3	59.9	UNDER	57.1	51.1
13:06:00	59.4	62.6	UNDER	61.1	54.1
13:07:00	55.8	60.3	UNDER	59.1	51.1
13:08:00	59.1	62.7	UNDER	61.1	53.1
13:09:00	56.3	60.8	UNDER	59.1	51.1
13:10:00	56.4	59.6	UNDER	59.1	52.1
13:11:00	58.6	65.1	UNDER	62.1	52.1
13:12:00	56.6	62.3	UNDER	60.1	52.1
13:13:00	57.9	63.5	UNDER	61.1	48.1
13:14:00	56.1	59.1	UNDER	58.1	52.1
13:15:00	61.9	70.2	UNDER	65.1	55.1
13:16:00	51.8	56.7	UNDER	54.1	49.1
13:17:00	57.5	61.8	UNDER	59.1	55.1
13:18:00	55.9	61.4	UNDER	59.1	51.1
13:19:00	59.7	62.7	UNDER	61.1	56.1
13:20:00	58.7	68.7	UNDER	63.1	50.1
13:21:00	60.5	69.1	UNDER	63.1	53.1
13:22:00	57.7	62.8	UNDER	61.1	49.1
13:23:00	54.8	58.7	UNDER	57.1	48.1
13:24:00	59.0	63.9	UNDER	62.1	49.1
13:25:00	56.2	60.3	UNDER	59.1	52.1
13:26:00	60.3	63.7	UNDER	63.1	56.1
13:27:00	61.7	71.3	UNDER	66.1	53.1
13:28:00	63.3	72.0	UNDER	67.1	57.1
13:29:00	66.3	73.5	UNDER	70.1	53.1
13:30:00	61.8	69.9	UNDER	66.1	52.1
13:31:00	56.2	61.2	UNDER	60.1	48.1
13:32:00	58.1	63.1	UNDER	61.1	50.1
13:33:00	57.6	63.1	UNDER	60.1	51.1
13:34:00	57.3	63.1	UNDER	60.1	52.1
13:35:00	57.7	61.9	UNDER	61.1	49.1
13:36:00	55.8	64.4	UNDER	57.1	53.1

```
**************************************************************************
Filename.......SGRD1875
Location.......1 TUPELO COURT
Receptor.......R 7B-1
Date...........11/23/04 (traffic count 1:08PM-1:28PM)

Personnel......MJM, LAA
**************************************************************************

METROSONICS db-308 SN 1875 V2.3  3/87

CURRENT DATE: 11/23/04
CURRENT TIME: 17:09:50

CALIBRATED:  11/23/04  @   8:47:52

DISPLAY RANGE:  43.0dB TO 139.0dB

DOUBLING RATE:  3 dB

FILTER: A WGHT

RESPONSE:  SLOW

SCHEDULED RUN: OFF

   START DATE: 1/01/85
   START TIME: 0:00:00
   LENGTH:     1:00:00


** OVERALL REPORT **

TEST STARTING DATE:  11/23/04
TEST STARTING TIME:  10:04:54
TEST LENGTH:     0DAYS  2:37:03

Lav    = 67.8dB
Lav  80= 59.8dB
Lav  90= 58.4dB
SEL    =107.4dB

Lmax = 94.6dB  ON 11/23/04 @ 10:32:49
Lpk  =  134dB  ON 11/23/04 @ 10:04:56

TIME OVER 115dB  0D  0:00:00.00

DOSE CRITERION:  90dB

 8 HR DOSE ( 80dB CUTOFF)=  0.03%
 8 HR PROJ. DOSE ( 80dB CUTOFF)=  0.09%
 8 HR DOSE ( 90dB CUTOFF)=  0.02%
 8 HR PROJ. DOSE ( 90dB CUTOFF)=  0.06%
```

** TIME HISTORY REPORT **

MODE: CONTINUOUS
PERIOD LENGTH: 0:01:00
TIME HISTORY CUTOFF: NONE
Ln(1): 10.0% Ln(2): 90.0%

INT# TAG#	START TIME	Lav ET	Lmax L1	Lpk L2	
103	11/23/04	46.6	52.4	<118	* +
0	13:03:54	0:01:00	48	44	
104	11/23/04	51.1	55.3	<118	* +
0	13:04:54	0:01:00	54	44	
105	11/23/04	49.0	53.7	<118	* +
0	13:05:54	0:01:00	51	46	
106	11/23/04	51.1	54.4	<118	* +
0	13:06:54	0:01:00	53	47	
107	11/23/04	49.4	54.5	<118	* +
0	13:07:54	0:01:00	52	45	
108	11/23/04	48.6	55.1	<118	* +
0	13:08:54	0:01:00	52	44	
109	11/23/04	49.0	51.9	<118	* +
0	13:09:54	0:01:00	51	45	
110	11/23/04	47.7	55.5	<118	* +
0	13:10:54	0:01:00	49	43	
111	11/23/04	50.1	55.6	<118	* +
0	13:11:54	0:01:00	52	44	
112	11/23/04	46.8	51.6	<118	* +
0	13:12:54	0:01:00	48	43	
113	11/23/04	50.6	53.9	<118	* +
0	13:13:54	0:01:00	52	47	
114	11/23/04	48.5	53.8	<118	* +
0	13:14:54	0:01:00	51	45	
115	11/23/04	48.1	51.7	<118	* +
0	13:15:54	0:01:00	49	43	
116	11/23/04	46.9	49.6	<118	* +
0	13:16:54	0:01:00	48	43	
117	11/23/04	50.3	56.7	<118	* +
0	13:17:54	0:01:00	52	45	

118	11/23/04	49.8	54.7	<118	*	+
0	13:18:54	0:01:00	52	46		
119	11/23/04	49.9	55.6	<118	*	+
0	13:19:54	0:01:00	54	44		
120	11/23/04	53.7	61.6	<118	*	+
0	13:20:54	0:01:00	56	45		
121	11/23/04	48.4	55.9	<118	*	+
0	13:21:54	0:01:00	49	45		
122	11/23/04	50.2	53.9	<118	*	+
0	13:22:54	0:01:00	52	47		
123	11/23/04	48.0	50.5	<118	*	+
0	13:23:54	0:01:00	49	45		
124	11/23/04	52.7	56.6	<118	*	+
0	13:24:54	0:01:00	55	47		
125	11/23/04	47.6	50.9	<118	*	+
0	13:25:54	0:01:00	49	45		
126	11/23/04	55.6	64.9	<118	*	+
0	13:26:54	0:01:00	58	49		
127	11/23/04	48.6	51.3	<118	*	+
0	13:27:54	0:01:00	49	46		
128	11/23/04	58.1	64.5	<118	*	+
0	13:28:54	0:01:00	62	49		
129	11/23/04	48.1	51.0	<118	*	+
0	13:29:54	0:01:00	50	45		

```
**********************************************************************
Filename..............SGRD5913
Test Location.........6 TUPELO COURT - R 7B-2
Employee Name.........MJM, LAA
Employee Number........
Date..................11/23/04 (traffic count 1:08PM-1:28PM)
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 5913
REPORT PRINTED ON 11/24/04 at 16:14:48
User ID: _____________________________

The Wilson T. Ballard Co

LOGGING STARTED......11/23/04 at 13:00:00
TOTAL LOGGING TIME...0 DAYS 00:31:58
LOGGING STOPPED......11/23/04 at 13:31:58
TOTAL INTERVALS......32
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....11/23/04 AT 08:43:22
PRE-TEST CALIBRATION RANGE...40.2 TO 140.2 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE

<<< SUMMARY REPORT FOR TEST NUMBER 3 OF 5 >>>

EXCHANGE RATE..........3dB
CUTOFFS.................. 80dB  90dB
CEILING................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  63.6dB
Lav ( 80).......  40.2dB
Lav ( 90).......  40.2dB
SEL.............  96.3dB

TWA.............  51.9dB
TWA ( 80).......  40.2dB
TWA ( 90).......  40.2dB

Lmax............  79.7dB  11/23/04 at 13:27:35
Lpk............UNDER RANGE
TIME OVER 115dB...00:00:00.00

DOSE ( 80)........     0.00%
PROJ. DOSE ( 80)..     0.00%
DOSE ( 90)........     0.00%
PROJ. DOSE ( 90)..     0.00%
```

<<< TIME HISTORY REPORT FOR TEST NUMBER 3 OF 5 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
11/23/04					
13:00:00	60.1	64.8	UNDER	63.2	55.2
13:01:00	65.9	69.7	UNDER	68.2	58.2
13:02:00	57.9	62.0	UNDER	60.2	54.2
13:03:00	63.2	65.7	UNDER	64.2	60.2
13:04:00	57.0	63.6	UNDER	58.2	53.2
13:05:00	64.3	68.4	UNDER	67.2	56.2
13:06:00	60.6	66.1	UNDER	64.2	55.2
13:07:00	64.9	71.9	UNDER	67.2	60.2
13:08:00	61.6	65.7	UNDER	64.2	54.2
13:09:00	60.7	67.3	UNDER	66.2	52.2
13:10:00	62.5	66.9	UNDER	65.2	54.2
13:11:00	58.7	65.3	UNDER	60.2	55.2
13:12:00	64.4	70.9	UNDER	67.2	54.2
13:13:00	56.6	61.6	UNDER	59.2	52.2
13:14:00	65.2	69.7	UNDER	68.2	58.2
13:15:00	63.6	74.4	UNDER	69.2	53.2
13:16:00	61.5	66.0	UNDER	64.2	54.2
13:17:00	60.2	66.0	UNDER	64.2	54.2
13:18:00	62.8	68.0	UNDER	65.2	57.2
13:19:00	63.0	67.7	UNDER	66.2	55.2
13:20:00	62.2	68.1	UNDER	66.2	53.2
13:21:00	67.0	75.6	UNDER	70.2	54.2
13:22:00	59.0	62.6	UNDER	61.2	55.2
13:23:00	64.2	68.4	UNDER	67.2	56.2
13:24:00	57.4	65.2	UNDER	58.2	55.2
13:25:00	66.7	72.5	UNDER	69.2	62.2
13:26:00	58.0	66.8	UNDER	61.2	54.2
13:27:00	70.8	79.7	UNDER	76.2	59.2
13:28:00	60.6	65.7	UNDER	63.2	55.2
13:29:00	68.3	74.1	UNDER	72.2	59.2
13:30:00	60.5	64.1	UNDER	64.2	54.2
13:31:00	60.2	70.9	UNDER	62.2	54.2

```
**********************************************************************
Filename..............SGR12913
Test Location.........7425 Tupelo Drive (R 8A-1)
Employee Name.........MJM, LAA
Employee Number........
Date..................12/9/04 (traffic count 9:31AM-9:51AM)
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 5913
REPORT PRINTED ON 12/09/04 at 15:45:26

User ID: _____________________________

The Wilson T. Ballard Co



LOGGING STARTED......12/09/04 at 09:19:00
TOTAL LOGGING TIME...0 DAYS 00:34:04
LOGGING STOPPED......12/09/04 at 09:53:04
TOTAL INTERVALS......35
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....12/09/04 AT 07:27:56
PRE-TEST CALIBRATION RANGE...40.4 TO 140.4 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE


<<< SUMMARY REPORT FOR TEST NUMBER 1 OF 5 >>>

EXCHANGE RATE..........3dB
CUTOFFS.................. 80dB  90dB
CEILING.................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  68.1dB
Lav ( 80).......  40.4dB
Lav ( 90).......  40.4dB
SEL............. 101.1dB

TWA.............  56.6dB
TWA ( 80).......  40.4dB
TWA ( 90).......  40.4dB

Lmax............  78.2dB  12/09/04 at 09:19:04
Lpk............UNDER RANGE
```

TIME OVER 115dB...00:00:00.00

DOSE (80)..... 0.00%
PROJ. DOSE (80).. 0.00%
DOSE (90)..... 0.00%
PROJ. DOSE (90).. 0.00%

<<< TIME HISTORY REPORT FOR TEST NUMBER 1 OF 5 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
12/09/04					
09:19:00	70.2	78.2	UNDER	71.4	64.4
09:19:59	68.2	73.5	UNDER	70.4	63.4
09:20:58	66.5	73.5	UNDER	71.4	57.4
09:21:57	69.3	73.7	UNDER	71.4	67.4
09:22:56	66.6	73.3	UNDER	70.4	57.4
09:23:55	68.5	71.8	UNDER	70.4	65.4
09:24:54	67.6	71.9	UNDER	69.4	63.4
09:25:53	63.1	68.9	UNDER	67.4	50.4
09:26:52	68.8	73.9	UNDER	71.4	66.4
09:27:51	67.2	74.2	UNDER	70.4	55.4
09:28:50	67.8	71.0	UNDER	70.4	64.4
09:29:49	69.8	75.9	UNDER	71.4	66.4
09:30:48	62.9	67.4	UNDER	65.4	54.4
09:31:47	69.0	75.1	UNDER	72.4	65.4
09:32:46	68.4	72.7	UNDER	71.4	62.4
09:33:45	67.4	77.4	UNDER	71.4	55.4
09:34:44	67.0	71.5	UNDER	69.4	62.4
09:35:43	68.9	77.1	UNDER	72.4	55.4
09:36:42	69.1	77.6	UNDER	74.4	63.4
09:37:41	69.6	75.8	UNDER	73.4	62.4
09:38:40	65.7	73.7	UNDER	70.4	58.4
09:39:39	69.6	77.8	UNDER	71.4	65.4
09:40:38	67.1	74.7	UNDER	71.4	56.4
09:41:37	70.4	77.1	UNDER	73.4	65.4
09:42:36	67.9	74.1	UNDER	71.4	57.4
09:43:35	68.4	74.1	UNDER	72.4	61.4
09:44:34	66.5	73.9	UNDER	70.4	52.4
09:45:33	68.4	75.4	UNDER	71.4	61.4
09:46:32	68.0	73.9	UNDER	71.4	55.4
09:47:31	64.5	68.5	UNDER	67.4	57.4
09:48:30	69.8	77.1	UNDER	72.4	57.4
09:49:29	64.0	73.7	UNDER	66.4	57.4
09:50:28	68.5	73.4	UNDER	71.4	63.4
09:51:27	67.7	77.5	UNDER	72.4	54.4
09:52:26	73.6	75.5	UNDER	75.4	72.4

```
**********************************************************************
Filename.............SGR12912
Test Location.........9 Founders Mill Court (R 8A-2)
Employee Name.........MJM, LAA
Employee Number........
Date..................12/9/4 (traffic count 9:31AM-9:51AM)
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 5912
REPORT PRINTED ON 12/09/04 at 15:37:53

User ID: _____

The Wilson T. Ballard Co



LOGGING STARTED......12/09/04 at 09:23:00
TOTAL LOGGING TIME...0 DAYS 00:32:32
LOGGING STOPPED......12/09/04 at 09:55:32
TOTAL INTERVALS......33
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....12/09/04 AT 07:30:02
PRE-TEST CALIBRATION RANGE...40.2 TO 140.2 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE


<<< SUMMARY REPORT FOR TEST NUMBER 1 OF 5 >>>

EXCHANGE RATE..........3dB
CUTOFFS.................. 80dB  90dB
CEILING................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  62.9dB
Lav ( 80).......  56.5dB
Lav ( 90).......  40.2dB
SEL.............  95.7dB

TWA.............  51.3dB
TWA ( 80).......  44.8dB
TWA ( 90).......  40.2dB

Lmax............  86.5dB  12/09/04 at 09:53:11
Lpk............. 112.8dB  12/09/04 at 09:53:11
```

TIME OVER 115dB...00:00:00.00

DOSE (80)..... 0.00%
PROJ. DOSE (80).. 0.00%
DOSE (90)..... 0.00%
PROJ. DOSE (90).. 0.00%

<<< TIME HISTORY REPORT FOR TEST NUMBER 1 OF 5 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
12/09/04					
09:23:00	60.9	66.0	UNDER	64.2	53.2
09:24:00	61.7	65.7	UNDER	63.2	56.2
09:25:00	61.1	64.0	UNDER	62.2	59.2
09:26:00	58.2	62.9	UNDER	61.2	48.2
09:27:00	62.0	65.2	UNDER	64.2	58.2
09:28:00	62.0	72.0	UNDER	64.2	53.2
09:29:00	63.0	66.5	UNDER	65.2	56.2
09:30:00	62.0	66.1	UNDER	64.2	59.2
09:31:00	58.2	62.4	UNDER	61.2	52.2
09:32:00	61.5	64.8	UNDER	64.2	58.2
09:33:00	61.3	64.2	UNDER	63.2	56.2
09:34:00	61.9	71.5	UNDER	64.2	52.2
09:35:00	61.5	66.0	UNDER	64.2	58.2
09:36:00	62.1	67.3	UNDER	65.2	52.2
09:37:00	62.4	69.3	UNDER	66.2	58.2
09:38:00	63.2	69.9	UNDER	66.2	55.2
09:39:00	59.9	66.0	UNDER	64.2	53.2
09:40:00	63.4	69.6	UNDER	66.2	57.2
09:41:00	58.8	64.4	UNDER	61.2	52.2
09:42:00	64.1	69.8	UNDER	66.2	60.2
09:43:00	60.8	66.4	UNDER	64.2	54.2
09:44:00	62.0	66.8	UNDER	66.2	56.2
09:45:00	61.3	68.7	UNDER	65.2	52.2
09:46:00	61.4	65.2	UNDER	64.2	55.2
09:47:00	62.3	69.0	UNDER	66.2	51.2
09:48:00	58.3	62.1	UNDER	61.2	53.2
09:49:00	62.9	68.0	UNDER	65.2	56.2
09:50:00	58.7	66.8	UNDER	62.2	53.2
09:51:00	61.9	66.9	UNDER	64.2	58.2
09:52:00	58.8	65.7	UNDER	62.2	52.2
09:53:00	72.8	86.5	112.8	72.2	59.2
09:54:00	61.4	67.2	UNDER	64.2	54.2
09:55:00	62.2	65.2	UNDER	64.2	57.2

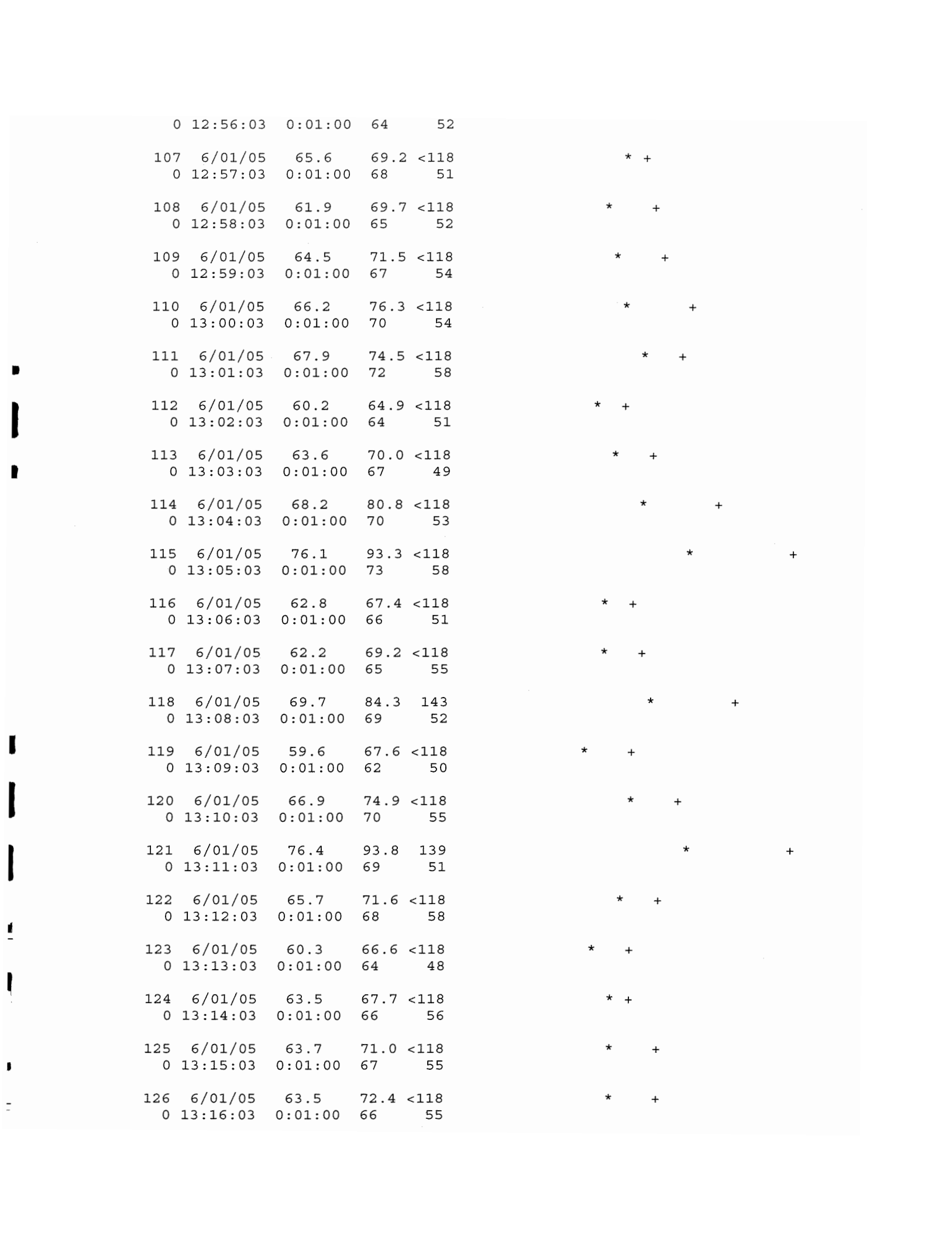
```
**********************************************************************
Filename..............SG611875
Test Location.........13 Founders Mill Court (R 8A-2A)
Employee Name.........MJM
Date..................6/1/05
**********************************************************************

METROSONICS db-308 SN 1875 V2.3  3/87

CURRENT DATE:  6/01/05
CURRENT TIME: 13:47:11

_____________________________________

_____________________________________

_____________________________________

_____________________________________

CALIBRATED:   6/01/05  @   8:38:04

DISPLAY RANGE:  43.1dB TO 139.1dB

DOUBLING RATE:  3 dB

FILTER: A WGHT

RESPONSE:  SLOW

SCHEDULED RUN: OFF

   START DATE: 1/01/05
   START TIME: 0:00:00
   LENGTH:     1:00:00


** OVERALL REPORT **

TEST STARTING DATE:   6/01/05
TEST STARTING TIME:  10:14:00
TEST LENGTH:     0DAYS  2:22:48

Lav    = 67.8dB
Lav  80= 66.1dB
Lav  90= 65.6dB
SEL    =107.0dB

Lmax =104.1dB  ON  6/01/05 @ 13:28:39
Lpk  =  143dB  ON  6/01/05 @ 13:08:51

TIME OVER 115dB  0D  0:00:00.00

DOSE CRITERION:  90dB

 8 HR DOSE ( 80dB CUTOFF)=  0.12%
 8 HR PROJ. DOSE ( 80dB CUTOFF)=  0.40%
 8 HR DOSE ( 90dB CUTOFF)=  0.10%
 8 HR PROJ. DOSE ( 90dB CUTOFF)=  0.33%
```

** TIME HISTORY REPORT **

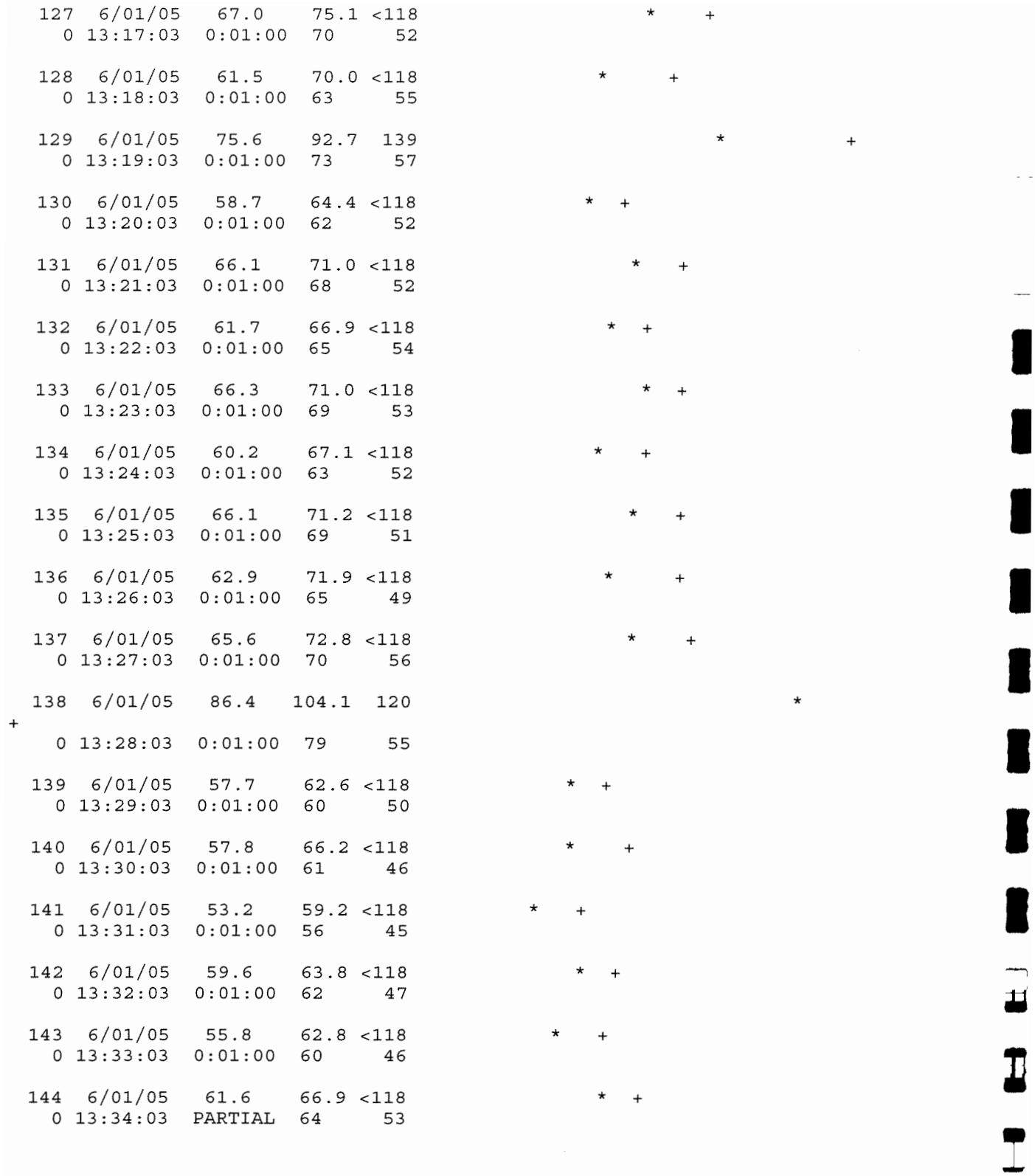
MODE: CONTINUOUS
PERIOD LENGTH: 0:01:00
TIME HISTORY CUTOFF: NONE
Ln(1): 10.0% Ln(2): 99.9%

INT# TAG#	START TIME	Lav ET	Lmax L1	Lpk L2
90 0	6/01/05 12:40:03	60.0 0:01:00	69.9 64	<118 47
91 0	6/01/05 12:41:03	59.9 0:01:00	65.8 63	<118 51
92 0	6/01/05 12:42:03	56.9 0:01:00	62.2 60	<118 44
93 0	6/01/05 12:43:03	60.9 0:01:00	72.3 61	<118 50
94 0	6/01/05 12:44:03	56.5 0:01:00	62.4 60	<118 45
95 0	6/01/05 12:45:03	56.0 0:01:00	63.6 58	<118 46
96 0	6/01/05 12:46:03	59.0 0:01:00	67.4 62	<118 44
97 0	6/01/05 12:47:03	54.4 0:01:00	62.6 58	<118 43
98 0	6/01/05 12:48:03	62.3 0:01:00	73.8 64	<118 47
99 0	6/01/05 12:49:03	55.3 0:01:00	62.0 58	<118 49
100 0	6/01/05 12:50:03	67.2 0:01:00	75.7 70	<118 57
101 0	6/01/05 12:51:03	75.8 0:01:00	93.2 70	136 55
102 0	6/01/05 12:52:03	63.8 0:01:00	71.5 67	<118 50
103 0	6/01/05 12:53:03	67.2 0:01:00	76.6 71	<118 54
104 0	6/01/05 12:54:03	63.8 0:01:00	71.3 68	<118 51
105 0	6/01/05 12:55:03	67.3 0:01:00	78.2 69	<118 52
106	6/01/05	62.5	68.7	<118

```
  0 12:56:03  0:01:00  64     52

107  6/01/05   65.6    69.2 <118
  0 12:57:03  0:01:00  68     51

108  6/01/05   61.9    69.7 <118
  0 12:58:03  0:01:00  65     52

109  6/01/05   64.5    71.5 <118
  0 12:59:03  0:01:00  67     54

110  6/01/05   66.2    76.3 <118
  0 13:00:03  0:01:00  70     54

111  6/01/05   67.9    74.5 <118
  0 13:01:03  0:01:00  72     58

112  6/01/05   60.2    64.9 <118
  0 13:02:03  0:01:00  64     51

113  6/01/05   63.6    70.0 <118
  0 13:03:03  0:01:00  67     49

114  6/01/05   68.2    80.8 <118
  0 13:04:03  0:01:00  70     53

115  6/01/05   76.1    93.3 <118
  0 13:05:03  0:01:00  73     58

116  6/01/05   62.8    67.4 <118
  0 13:06:03  0:01:00  66     51

117  6/01/05   62.2    69.2 <118
  0 13:07:03  0:01:00  65     55

118  6/01/05   69.7    84.3  143
  0 13:08:03  0:01:00  69     52

119  6/01/05   59.6    67.6 <118
  0 13:09:03  0:01:00  62     50

120  6/01/05   66.9    74.9 <118
  0 13:10:03  0:01:00  70     55

121  6/01/05   76.4    93.8  139
  0 13:11:03  0:01:00  69     51

122  6/01/05   65.7    71.6 <118
  0 13:12:03  0:01:00  68     58

123  6/01/05   60.3    66.6 <118
  0 13:13:03  0:01:00  64     48

124  6/01/05   63.5    67.7 <118
  0 13:14:03  0:01:00  66     56

125  6/01/05   63.7    71.0 <118
  0 13:15:03  0:01:00  67     55

126  6/01/05   63.5    72.4 <118
  0 13:16:03  0:01:00  66     55
```



127	6/01/05	67.0	75.1	<118	
0	13:17:03	0:01:00	70	52	
128	6/01/05	61.5	70.0	<118	
0	13:18:03	0:01:00	63	55	
129	6/01/05	75.6	92.7	139	
0	13:19:03	0:01:00	73	57	
130	6/01/05	58.7	64.4	<118	
0	13:20:03	0:01:00	62	52	
131	6/01/05	66.1	71.0	<118	
0	13:21:03	0:01:00	68	52	
132	6/01/05	61.7	66.9	<118	
0	13:22:03	0:01:00	65	54	
133	6/01/05	66.3	71.0	<118	
0	13:23:03	0:01:00	69	53	
134	6/01/05	60.2	67.1	<118	
0	13:24:03	0:01:00	63	52	
135	6/01/05	66.1	71.2	<118	
0	13:25:03	0:01:00	69	51	
136	6/01/05	62.9	71.9	<118	
0	13:26:03	0:01:00	65	49	
137	6/01/05	65.6	72.8	<118	
0	13:27:03	0:01:00	70	56	
138	6/01/05	86.4	104.1	120	
0	13:28:03	0:01:00	79	55	
139	6/01/05	57.7	62.6	<118	
0	13:29:03	0:01:00	60	50	
140	6/01/05	57.8	66.2	<118	
0	13:30:03	0:01:00	61	46	
141	6/01/05	53.2	59.2	<118	
0	13:31:03	0:01:00	56	45	
142	6/01/05	59.6	63.8	<118	
0	13:32:03	0:01:00	62	47	
143	6/01/05	55.8	62.8	<118	
0	13:33:03	0:01:00	60	46	
144	6/01/05	61.6	66.9	<118	
0	13:34:03	PARTIAL	64	53	



```
*************************************************************************
Filename.......SGRD1875
Location.......17324 Founders Mill Drive
Receptor.......R 8A-3
Date...........12/9/04 (traffic count 9:31AM-9:51AM)

Personnel......MJM, LAA
*************************************************************************

METROSONICS db-308 SN 1875 V2.3  3/87

CURRENT DATE: 12/09/04
CURRENT TIME: 15:31:43

CALIBRATED:  12/09/04  @   7:33:58

DISPLAY RANGE:  49.2dB TO 145.2dB

DOUBLING RATE:  3 dB

FILTER: A WGHT

RESPONSE:  SLOW

SCHEDULED RUN: OFF

   START DATE: 1/01/85
   START TIME: 0:00:00
   LENGTH:     1:00:00


** OVERALL REPORT **

TEST STARTING DATE:  12/09/04
TEST STARTING TIME:   9:26:59
TEST LENGTH:     0DAYS  1:57:35

Lav    = 76.2dB
Lav  80= 75.5dB
Lav  90= 73.1dB
SEL    =114.5dB

Lmax =100.5dB  ON 12/09/04 @ 11:37:11
Lpk  =  146dB  ON 12/09/04 @ 11:37:11

TIME OVER 115dB  0D  0:00:00.00

DOSE CRITERION:  90dB

 8 HR DOSE ( 80dB CUTOFF)=  0.86%
 8 HR PROJ. DOSE ( 80dB CUTOFF)=  3.51%
 8 HR DOSE ( 90dB CUTOFF)=  0.49%
 8 HR PROJ. DOSE ( 90dB CUTOFF)=  2.00%

** TIME HISTORY REPORT **

MODE: CONTINUOUS
PERIOD LENGTH:  0:01:00
TIME HISTORY CUTOFF: NONE
Ln(1): 10.0%  Ln(2): 90.0%

 INT#   START    Lav    Lmax   Lpk
 TAG#   TIME      ET     L1    L2
-------------------------------------

    1 12/09/04   54.9    59.4 <124        *   +
    0  9:26:59  0:01:00  55     53

    2 12/09/04   54.4    57.0 <124        * +
    0  9:27:59  0:01:00  56     51

    3 12/09/04   55.6    59.8 <124         *  +
    0  9:28:59  0:01:00  58     52

    4 12/09/04   55.7    61.2 <124         *   +
```

```
  0  9:29:59  0:01:00  57      52

  5 12/09/04   52.6     56.3 <124       *  +
  0  9:30:59  0:01:00  54      50

  6 12/09/04   53.0     54.6 <124       *+
  0  9:31:59  0:01:00  54      51

  7 12/09/04   54.3     59.3 <124        *  +
  0  9:32:59  0:01:00  56      52

  8 12/09/04   53.8     58.2 <124       *   +
  0  9:33:59  0:01:00  55      51

  9 12/09/04   58.5     66.0 <124           *      +
  0  9:34:59  0:01:00  62      52

 10 12/09/04   58.0     63.2 <124          *   +
  0  9:35:59  0:01:00  61      52

 11 12/09/04   56.5     61.8 <124         *   +
  0  9:36:59  0:01:00  59      53

 12 12/09/04   54.3     58.9 <124        *  +
  0  9:37:59  0:01:00  56      51

 13 12/09/04   55.8     60.4 <124         *  +
  0  9:38:59  0:01:00  58      52

 14 12/09/04   54.8     57.9 <124        * +
  0  9:39:59  0:01:00  56      51

 15 12/09/04   51.9     55.1 <124      * +
  0  9:40:59  0:01:00  53      50

 16 12/09/04   57.0     60.7 <124          *  +
  0  9:41:59  0:01:00  59      53

 17 12/09/04   54.5     59.8 <124        *   +
  0  9:42:59  0:01:00  57      50

 18 12/09/04   54.9     60.3 <124        *   +
  0  9:43:59  0:01:00  56      51

 19 12/09/04   53.4     57.9 <124       *  +
  0  9:44:59  0:01:00  56      50

 20 12/09/04   53.4     56.5 <124       * +
  0  9:45:59  0:01:00  55      50

 21 12/09/04   56.0     62.9 <124         *    +
  0  9:46:59  0:01:00  60      50

 22 12/09/04   51.7     57.0 <124      *   +
  0  9:47:59  0:01:00  52      50

 23 12/09/04   59.4     65.8 <124           *   +
  0  9:48:59  0:01:00  64      53

 24 12/09/04   52.3     56.7 <124      *  +
  0  9:49:59  0:01:00  53      50

 25 12/09/04   57.2     64.9 <124          *     +
  0  9:50:59  0:01:00  61      51

 26 12/09/04   52.2     59.1 <124      *    +
  0  9:51:59  0:01:00  53      49

 27 12/09/04   61.4     73.0 <124            *         +
  0  9:52:59  0:01:00  64      52

 28 12/09/04   55.3     62.2 <124        *     +
  0  9:53:59  0:01:00  58      51

 29 12/09/04   53.1     58.1 <124       *   +
```

0	9:54:59	0:01:00	54	50			
30	12/09/04	53.1	56.3	<124		*	+
0	9:55:59	0:01:00	55	49			
31	12/09/04	55.9	59.1	<124		*	+
0	9:56:59	PARTIAL	57	54			

```
**********************************************************************
Filename.............SGR12913
Test Location.........17309 Founders Mill Drive (R8A-4)
Employee Name.........MJM, LAA
Employee Number........
Date..................12/9/04 (traffic count 10:37AM-10:57AM)
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 5913
REPORT PRINTED ON 12/09/04 at 15:45:51

User ID: _____________________________

The Wilson T. Ballard Co



LOGGING STARTED......12/09/04 at 10:00:00
TOTAL LOGGING TIME...0 DAYS 01:11:36
LOGGING STOPPED......12/09/04 at 11:11:36
TOTAL INTERVALS......72
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....12/09/04 AT 07:27:56
PRE-TEST CALIBRATION RANGE...40.4 TO 140.4 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE


<<< SUMMARY REPORT FOR TEST NUMBER 2 OF 5 >>>

EXCHANGE RATE..........3dB
CUTOFFS.................. 80dB  90dB
CEILING.................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  59.4dB
Lav ( 80).......  47.6dB
Lav ( 90).......  40.4dB
SEL.............  95.6dB

TWA.............  51.2dB
TWA ( 80).......  40.4dB
TWA ( 90).......  40.4dB

Lmax............  81.9dB  12/09/04 at 10:31:45
Lpk.............UNDER RANGE
```

TIME OVER 115dB...00:00:00.00

DOSE (80).....	0.00%
PROJ. DOSE (80)..	0.00%
DOSE (90).....	0.00%
PROJ. DOSE (90)..	0.00%

<<< TIME HISTORY REPORT FOR TEST NUMBER 2 OF 5 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
12/09/04					
10:00:00	57.4	61.5	UNDER	60.4	51.4
10:01:00	55.5	62.7	UNDER	60.4	49.4
10:02:00	59.1	63.5	UNDER	61.4	51.4
10:03:00	56.8	63.1	UNDER	60.4	53.4
10:04:00	58.6	63.0	UNDER	61.4	53.4
10:05:00	58.1	61.9	UNDER	60.4	49.4
10:06:00	60.2	64.2	UNDER	62.4	56.4
10:07:00	66.1	78.4	UNDER	70.4	53.4
10:08:00	56.4	61.9	UNDER	59.4	52.4
10:09:00	62.4	70.3	UNDER	66.4	51.4
10:10:00	55.5	61.1	UNDER	59.4	50.4
10:11:00	61.3	67.4	UNDER	65.4	55.4
10:12:00	54.7	60.6	UNDER	56.4	51.4
10:13:00	58.7	62.3	UNDER	61.4	54.4
10:14:00	55.3	59.1	UNDER	58.4	50.4
10:15:00	59.3	66.2	UNDER	62.4	55.4
10:16:00	55.4	59.0	UNDER	58.4	51.4
10:17:00	57.7	61.0	UNDER	60.4	54.4
10:18:00	59.2	64.3	UNDER	62.4	50.4
10:19:00	57.6	60.2	UNDER	59.4	54.4
10:20:00	62.5	70.3	UNDER	66.4	54.4
10:21:00	58.5	65.6	UNDER	61.4	53.4
10:22:00	57.2	61.8	UNDER	59.4	53.4
10:23:00	57.5	64.7	UNDER	59.4	52.4
10:24:00	58.8	64.3	UNDER	61.4	54.4
10:25:00	58.8	65.8	UNDER	61.4	53.4
10:26:00	61.0	65.4	UNDER	63.4	56.4
10:27:00	59.6	64.3	UNDER	62.4	55.4
10:28:00	58.4	65.8	UNDER	62.4	52.4
10:29:00	57.1	61.9	UNDER	60.4	53.4
10:30:00	55.2	57.9	UNDER	57.4	52.4
10:31:00	68.9	81.9	UNDER	70.4	52.4
10:32:00	57.1	61.5	UNDER	60.4	52.4
10:33:00	62.6	68.7	UNDER	66.4	56.4
10:34:00	57.4	63.1	UNDER	61.4	52.4
10:35:00	59.9	65.0	UNDER	63.4	54.4
10:36:00	54.7	59.7	UNDER	58.4	48.4
10:37:00	58.0	61.8	UNDER	60.4	54.4
10:38:00	59.0	67.9	UNDER	63.4	49.4
10:39:00	57.6	64.3	UNDER	60.4	48.4
10:40:00	61.8	72.7	UNDER	65.4	49.4
10:41:00	57.6	67.5	UNDER	59.4	52.4
10:42:00	60.3	65.9	UNDER	63.4	54.4
10:43:00	57.0	66.0	UNDER	59.4	50.4

10:44:00	56.7	62.2	UNDER	59.4	51.4
10:45:00	56.4	60.8	UNDER	59.4	50.4
10:46:00	60.7	69.1	UNDER	64.4	53.4
10:47:00	56.3	61.6	UNDER	59.4	51.4
10:48:00	59.3	63.5	UNDER	62.4	52.4
10:49:00	59.1	67.1	UNDER	63.4	48.4
10:50:00	59.7	63.8	UNDER	61.4	57.4
10:51:00	57.4	63.1	UNDER	60.4	51.4
10:52:00	58.6	66.2	UNDER	63.4	50.4
10:53:00	59.6	66.9	UNDER	62.4	51.4
10:54:00	53.3	59.5	UNDER	55.4	49.4
10:55:00	59.6	65.0	UNDER	63.4	52.4
10:56:00	57.2	65.4	UNDER	60.4	51.4
10:57:00	58.0	63.4	UNDER	61.4	53.4
10:58:00	57.0	65.1	UNDER	61.4	49.4
10:59:00	59.4	65.1	UNDER	61.4	55.4
11:00:00	57.6	62.6	UNDER	60.4	52.4
11:01:00	56.4	64.4	UNDER	60.4	50.4
11:02:00	59.0	64.9	UNDER	63.4	49.4
11:03:00	54.5	59.0	UNDER	57.4	50.4
11:04:00	60.8	68.6	UNDER	64.4	53.4
11:05:00	57.8	63.5	UNDER	61.4	49.4
11:06:00	58.7	63.0	UNDER	60.4	52.4
11:07:00	57.3	62.2	UNDER	59.4	52.4
11:08:00	61.0	66.9	UNDER	65.4	52.4
11:09:00	58.0	66.4	UNDER	62.4	50.4
11:10:00	56.8	63.5	UNDER	60.4	51.4
11:11:00	56.0	64.2	UNDER	57.4	51.4

```
**********************************************************************
Filename..............SG615913
Test Location..........17313 Founders Mill Drive (R 8A-4A)
Employee Name..........MJM
Employee Number........
Date..................6/1/05
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 5913
REPORT PRINTED ON 06/02/05 at 10:54:38

User ID: _____________________________

The Wilson T. Ballard Co




LOGGING STARTED......06/01/05 at 12:45:00
TOTAL LOGGING TIME...0 DAYS 00:51:45
LOGGING STOPPED......06/01/05 at 01:36:45
TOTAL INTERVALS......52
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....06/01/05 AT 08:33:47
PRE-TEST CALIBRATION RANGE...40.2 TO 140.2 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE


<<< SUMMARY REPORT FOR TEST NUMBER 3 OF 3 >>>

EXCHANGE RATE..........3dB
CUTOFFS.................. 80dB  90dB
CEILING................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  59.4dB
Lav ( 80).......  40.2dB
Lav ( 90).......  40.2dB
SEL.............  94.2dB

TWA.............  49.8dB
TWA ( 80).......  40.2dB
TWA ( 90).......  40.2dB

Lmax............  75.3dB  06/01/05 at 01:10:30
Lpk............UNDER RANGE
TIME OVER 115dB...00:00:00.00

DOSE ( 80)........     0.00%
PROJ. DOSE ( 80)..     0.00%
```

DOSE (90)..... 0.00%
PROJ. DOSE (90).. 0.00%

<<< TIME HISTORY REPORT FOR TEST NUMBER 3 OF 3 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
06/01/05					
12:45:00	56.1	62.8	UNDER	60.2	48.2
12:46:00	59.2	68.1	UNDER	61.2	49.2
12:47:00	55.8	62.1	UNDER	60.2	48.2
12:48:00	62.9	74.7	UNDER	64.2	52.2
12:49:00	56.5	63.5	UNDER	60.2	49.2
12:50:00	61.1	68.9	UNDER	63.2	55.2
12:51:00	61.4	68.1	UNDER	64.2	54.2
12:52:00	57.9	65.7	UNDER	62.2	46.2
12:53:00	61.0	68.8	UNDER	65.2	48.2
12:54:00	58.5	68.1	UNDER	62.2	51.2
12:55:00	63.1	72.4	UNDER	68.2	53.2
12:56:00	57.8	65.4	UNDER	61.2	54.2
12:57:00	59.1	62.8	UNDER	62.2	52.2
12:58:00	57.8	67.2	UNDER	60.2	50.2
12:59:00	58.7	65.6	UNDER	61.2	52.2
01:00:00	61.7	70.8	UNDER	67.2	53.2
01:01:00	61.6	68.4	UNDER	64.2	57.2
01:02:00	58.7	64.5	UNDER	62.2	52.2
01:03:00	57.0	62.0	UNDER	60.2	48.2
01:04:00	60.5	66.5	UNDER	63.2	53.2
01:05:00	60.1	65.6	UNDER	63.2	54.2
01:06:00	59.1	66.5	UNDER	62.2	49.2
01:07:00	55.1	58.9	UNDER	57.2	50.2
01:08:00	59.6	64.0	UNDER	62.2	52.2
01:09:00	56.6	64.6	UNDER	59.2	51.2
01:10:00	64.1	75.3	UNDER	66.2	51.2
01:11:00	54.4	59.3	UNDER	56.2	51.2
01:12:00	60.7	67.3	UNDER	64.2	54.2
01:13:00	56.1	62.7	UNDER	60.2	49.2
01:14:00	56.9	60.5	UNDER	59.2	52.2
01:15:00	56.9	62.9	UNDER	60.2	51.2
01:16:00	58.5	64.8	UNDER	62.2	52.2
01:17:00	61.9	71.0	UNDER	66.2	50.2
01:18:00	56.4	65.6	UNDER	59.2	50.2
01:19:00	59.6	64.6	UNDER	61.2	55.2
01:20:00	54.6	62.0	UNDER	58.2	49.2
01:21:00	59.3	63.4	UNDER	62.2	53.2
01:22:00	58.0	65.6	UNDER	61.2	50.2
01:23:00	60.7	69.2	UNDER	63.2	54.2
01:24:00	56.2	62.1	UNDER	60.2	49.2
01:25:00	60.4	66.6	UNDER	64.2	52.2
01:26:00	58.2	67.7	UNDER	60.2	49.2
01:27:00	58.9	64.0	UNDER	61.2	55.2
01:28:00	61.6	68.9	UNDER	67.2	50.2
01:29:00	57.8	63.6	UNDER	61.2	52.2
01:30:00	59.5	67.3	UNDER	63.2	50.2
01:31:00	53.7	58.0	UNDER	56.2	50.2
01:32:00	61.4	69.7	UNDER	64.2	54.2
01:33:00	58.4	64.1	UNDER	62.2	51.2
01:34:00	60.5	67.5	UNDER	64.2	52.2
01:35:00	55.3	61.8	UNDER	59.2	50.2
01:36:00	59.8	67.4	UNDER	62.2	52.2

```
**************************************************************************
Filename.......SGRD1875
Location.......17308 Beauvoir Boulevard
Receptor.......R 8B-1
Date...........12/9/04 (traffic count 10:37AM-10:57AM)

Personnel......MJM, LAA
**************************************************************************
METROSONICS db-308 SN 1875 V2.3  3/87

CURRENT DATE: 12/09/04
CURRENT TIME: 15:31:43

CALIBRATED:  12/09/04  @   7:33:58

DISPLAY RANGE:  49.2dB TO 145.2dB

DOUBLING RATE:  3 dB

FILTER: A WGHT

RESPONSE:  SLOW

SCHEDULED RUN: OFF

   START DATE: 1/01/85
   START TIME: 0:00:00
   LENGTH:     1:00:00


** OVERALL REPORT **

TEST STARTING DATE:  12/09/04
TEST STARTING TIME:   9:26:59
TEST LENGTH:     0DAYS  1:57:35

Lav    = 76.2dB
Lav  80= 75.5dB
Lav  90= 73.1dB
SEL    =114.5dB

Lmax =100.5dB  ON 12/09/04 @ 11:37:11
Lpk  =  146dB  ON 12/09/04 @ 11:37:11

TIME OVER 115dB  0D  0:00:00.00

DOSE CRITERION:  90dB

 8 HR DOSE ( 80dB CUTOFF)=  0.86%
 8 HR PROJ. DOSE ( 80dB CUTOFF)=  3.51%
 8 HR DOSE ( 90dB CUTOFF)=  0.49%
 8 HR PROJ. DOSE ( 90dB CUTOFF)=  2.00%

** TIME HISTORY REPORT **

MODE: CONTINUOUS
PERIOD LENGTH:  0:01:00
TIME HISTORY CUTOFF: NONE
Ln(1): 10.0%  Ln(2): 90.0%

 INT#   START    Lav    Lmax   Lpk
 TAG#   TIME      ET     L1    L2
-------------------------------------

   32 12/09/04   53.3    56.5 <124       * +
    0 10:25:58  0:01:00  55     51

   33 12/09/04   57.0    62.7 <124          *   +
    0 10:26:58  0:01:00  60     51

   34 12/09/04   52.2    58.0 <124      *   +
    0 10:27:58  0:01:00  54     49

   35 12/09/04   51.6    52.9 <124      *+
    0 10:28:58  0:01:00  52     49
```

```
 36 12/09/04   52.2    55.1 <124      * +
  0 10:29:58  0:01:00  54     50

 37 12/09/04   55.6    64.8 <124        *      +
  0 10:30:58  0:01:00  58     51

 38 12/09/04   55.6    65.7 <124        *      +
  0 10:31:58  0:01:00  58     50

 39 12/09/04   53.3    56.4 <124       * +
  0 10:32:58  0:01:00  55     52

 40 12/09/04   57.1    63.0 <124          *   +
  0 10:33:58  0:01:00  60     52

 41 12/09/04   52.2    55.1 <124      * +
  0 10:34:58  0:01:00  54     49

 42 12/09/04   50.0    51.9 <124    * +
  0 10:35:58  0:01:00  51     49

 43 12/09/04   51.6    54.0 <124      *+
  0 10:36:58  0:01:00  52     50

 44 12/09/04   51.6    54.3 <124      * +
  0 10:37:58  0:01:00  53     49

 45 12/09/04   52.7    56.7 <124      *  +
  0 10:38:58  0:01:00  55     49

 46 12/09/04   50.1    52.7 <124    * +
  0 10:39:58  0:01:00  51     49

 47 12/09/04   55.6    60.3 <124        *  +
  0 10:40:58  0:01:00  58     49

 48 12/09/04   53.8    57.7 <124       *  +
  0 10:41:58  0:01:00  55     52

 49 12/09/04   50.1    53.0 <124    *  +
  0 10:42:58  0:01:00  51     49

 50 12/09/04   51.3    54.6 <124     *  +
  0 10:43:58  0:01:00  53     49

 51 12/09/04   52.0    56.6 <124      *  +
  0 10:44:58  0:01:00  54     49

 52 12/09/04   52.9    57.1 <124       *  +
  0 10:45:58  0:01:00  55     49

 53 12/09/04   53.5    60.2 <124       *    +
  0 10:46:58  0:01:00  55     50

 54 12/09/04   52.0    53.9 <124      *+
  0 10:47:58  0:01:00  53     49

 55 12/09/04   51.3    53.5 <124     * +
  0 10:48:58  0:01:00  52     49

 56 12/09/04   52.0    56.9 <124      *   +
  0 10:49:58  0:01:00  53     49

 57 12/09/04   53.4    59.0 <124       *   +
  0 10:50:58  0:01:00  56     49

 58 12/09/04   53.0    58.1 <124       *   +
  0 10:51:58  0:01:00  55     49

 59 12/09/04   52.4    56.7 <124      *  +
  0 10:52:58  0:01:00  54     50

 60 12/09/04   51.2    54.0 <124     * +
  0 10:53:58  0:01:00  52     49
```

61	12/09/04	51.7	54.5	<124	* +	
0	10:54:58	0:01:00	53	50		
62	12/09/04	51.9	57.6	<124	* +	
0	10:55:58	0:01:00	55	49		
63	12/09/04	52.3	56.0	<124	* +	
0	10:56:58	0:01:00	55	49		
64	12/09/04	51.4	55.6	<124	* +	
0	10:57:58	0:01:00	54	49		
65	12/09/04	52.4	54.5	<124	* +	
0	10:58:58	0:01:00	54	50		
66	12/09/04	54.3	61.2	<124	* +	
0	10:59:58	0:01:00	58	50		
67	12/09/04	51.5	53.9	<124	* +	
0	11:00:58	0:01:00	53	49		
68	12/09/04	53.9	54.7	<124	*+	
0	11:01:58	PARTIAL	54	53		

```
**********************************************************************
Filename..............SGR12912
Test Location.........7320 Blanchard Drive (R 8B-2)
Employee Name.........MJM. LAA
Employee Number........
Date..................12/9/04 (traffic count 12:23PM-12:43PM)
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 5912
REPORT PRINTED ON 12/09/04 at 15:39:19

User ID: _____________________________

The Wilson T. Ballard Co




LOGGING STARTED......12/09/04 at 12:15:00
TOTAL LOGGING TIME...0 DAYS 00:34:55
LOGGING STOPPED......12/09/04 at 12:49:55
TOTAL INTERVALS......35
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....12/09/04 AT 07:30:02
PRE-TEST CALIBRATION RANGE...40.2 TO 140.2 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE


<<< SUMMARY REPORT FOR TEST NUMBER 4 OF 5 >>>

EXCHANGE RATE..........3dB
CUTOFFS.................. 80dB  90dB
CEILING................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  59.6dB
Lav ( 80).......  40.2dB
Lav ( 90).......  40.2dB
SEL.............  92.7dB

TWA.............  48.3dB
TWA ( 80).......  40.2dB
TWA ( 90).......  40.2dB

Lmax............  67.0dB  12/09/04 at 12:18:18
Lpk............UNDER RANGE
```

TIME OVER 115dB...00:00:00.00

DOSE (80)..... 0.00%
PROJ. DOSE (80).. 0.00%
DOSE (90)..... 0.00%
PROJ. DOSE (90).. 0.00%

<<< TIME HISTORY REPORT FOR TEST NUMBER 4 OF 5 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
12/09/04					
12:15:00	56.8	63.1	UNDER	60.2	53.2
12:16:00	54.4	57.5	UNDER	56.2	51.2
12:17:00	59.1	63.3	UNDER	61.2	54.2
12:18:00	57.8	67.0	UNDER	61.2	52.2
12:19:00	61.1	65.0	UNDER	64.2	56.2
12:20:00	57.3	62.8	UNDER	61.2	52.2
12:21:00	56.5	60.1	UNDER	58.2	53.2
12:22:00	57.4	64.6	UNDER	60.2	51.2
12:23:00	55.8	62.9	UNDER	59.2	50.2
12:24:00	57.2	64.0	UNDER	60.2	52.2
12:25:00	57.2	61.8	UNDER	59.2	53.2
12:26:00	60.6	63.3	UNDER	62.2	52.2
12:27:00	60.3	64.0	UNDER	63.2	55.2
12:28:00	59.6	63.7	UNDER	62.2	49.2
12:29:00	58.3	63.2	UNDER	61.2	55.2
12:30:00	59.6	62.0	UNDER	61.2	54.2
12:31:00	59.3	63.2	UNDER	61.2	55.2
12:32:00	60.0	65.2	UNDER	63.2	56.2
12:33:00	63.5	66.1	UNDER	65.2	61.2
12:34:00	61.2	65.2	UNDER	62.2	55.2
12:35:00	60.6	64.8	UNDER	63.2	58.2
12:36:00	59.1	62.5	UNDER	60.2	56.2
12:37:00	60.4	65.2	UNDER	63.2	56.2
12:38:00	57.2	59.2	UNDER	58.2	55.2
12:39:00	62.6	66.1	UNDER	64.2	58.2
12:40:00	61.3	64.5	UNDER	63.2	58.2
12:41:00	60.3	63.2	UNDER	61.2	58.2
12:42:00	60.4	63.2	UNDER	62.2	58.2
12:43:00	60.2	63.2	UNDER	61.2	58.2
12:44:00	60.7	63.8	UNDER	61.2	59.2
12:45:00	61.0	64.6	UNDER	63.2	59.2
12:46:00	59.1	62.1	UNDER	60.2	56.2
12:47:00	58.9	61.3	UNDER	60.2	56.2
12:48:00	60.3	65.6	UNDER	64.2	54.2
12:49:00	58.2	62.4	UNDER	60.2	56.2

```
**********************************************************************
Filename..............SGR12972
Test Location.........17500 McDade Court (R 8B-3)
Employee Name.........MJM, LAA
Employee Number........
Date..................12/9/04 (traffic count 12:23PM-12:43PM)
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 2572
REPORT PRINTED ON 12/09/04 at 15:49:55

User ID: _____

The Wilson T. Ballard Co



LOGGING STARTED......12/09/04 at 12:18:00
TOTAL LOGGING TIME...0 DAYS 00:29:07
LOGGING STOPPED......12/09/04 at 12:47:07
TOTAL INTERVALS......30
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....12/09/04 AT 07:23:21
PRE-TEST CALIBRATION RANGE...38.6 TO 138.6 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE


<<< SUMMARY REPORT FOR TEST NUMBER 4 OF 5 >>>

EXCHANGE RATE..........3dB
CUTOFFS.................. 80dB  90dB
CEILING................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  58.8dB
Lav ( 80).......  38.6dB
Lav ( 90).......  38.6dB
SEL.............  91.2dB

TWA.............  46.7dB
TWA ( 80).......  38.6dB
TWA ( 90).......  38.6dB

Lmax............  69.5dB  12/09/04 at 12:36:38
Lpk............UNDER RANGE
```

TIME OVER 115dB...00:00:00.00

DOSE (80)..... 0.00%
PROJ. DOSE (80).. 0.00%
DOSE (90)..... 0.00%
PROJ. DOSE (90).. 0.00%

<<< TIME HISTORY REPORT FOR TEST NUMBER 4 OF 5 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
12/09/04					
12:18:00	57.4	64.7	UNDER	61.6	51.6
12:18:59	62.7	68.7	UNDER	65.6	56.6
12:19:58	56.3	59.6	UNDER	58.6	53.6
12:20:57	59.3	67.1	UNDER	62.6	53.6
12:21:56	58.0	62.7	UNDER	59.6	55.6
12:22:55	54.9	62.1	UNDER	59.6	50.6
12:23:54	59.1	65.0	UNDER	61.6	54.6
12:24:53	58.2	61.2	UNDER	60.6	54.6
12:25:52	58.1	64.1	UNDER	62.6	51.6
12:26:51	57.6	61.1	UNDER	60.6	55.6
12:27:50	56.7	62.3	UNDER	59.6	52.6
12:28:49	57.9	60.3	UNDER	59.6	52.6
12:29:48	61.1	68.3	UNDER	63.6	54.6
12:30:47	55.7	60.3	UNDER	59.6	50.6
12:31:46	59.7	64.4	UNDER	62.6	53.6
12:32:45	57.3	60.7	UNDER	59.6	54.6
12:33:44	57.6	63.1	UNDER	60.6	52.6
12:34:43	57.3	61.1	UNDER	59.6	54.6
12:35:42	61.6	69.5	UNDER	65.6	54.6
12:36:41	61.5	67.7	UNDER	65.6	54.6
12:37:40	54.9	58.0	UNDER	56.6	53.6
12:38:39	60.2	64.3	UNDER	63.6	57.6
12:39:38	58.4	65.2	UNDER	62.6	54.6
12:40:37	58.4	61.5	UNDER	60.6	56.6
12:41:36	58.9	63.1	UNDER	61.6	55.6
12:42:35	58.7	61.5	UNDER	60.6	56.6
12:43:34	59.7	62.3	UNDER	61.6	57.6
12:44:33	59.0	64.7	UNDER	60.6	56.6
12:45:32	58.7	64.7	UNDER	62.6	53.6
12:46:31	60.0	63.9	UNDER	62.6	58.6

```
**********************************************************************
Filename.............SGR12913
Test Location.........7200 Mill Run Drive (R 8B-4)
Employee Name.........MJM, LAA
Employee Number........
Date..................12/9/04  (traffic count 12:23PM-12:43PM)
Calibrator Type........
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 5913
REPORT PRINTED ON 12/09/04 at 15:46:41

User ID: _____________________________

The Wilson T. Ballard Co



LOGGING STARTED......12/09/04 at 12:22:00
TOTAL LOGGING TIME...0 DAYS 00:21:38
LOGGING STOPPED......12/09/04 at 12:43:38
TOTAL INTERVALS......22
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....12/09/04 AT 07:27:56
PRE-TEST CALIBRATION RANGE...40.4 TO 140.4 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE


<<< SUMMARY REPORT FOR TEST NUMBER 4 OF 5 >>>

EXCHANGE RATE..........3dB
CUTOFFS.................. 80dB  90dB
CEILING................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  66.7dB
Lav ( 80).......  40.4dB
Lav ( 90).......  40.4dB
SEL.............  97.8dB

TWA.............  53.3dB
TWA ( 80).......  40.4dB
TWA ( 90).......  40.4dB

Lmax............  79.0dB  12/09/04 at 12:30:11
Lpk............UNDER RANGE
```

TIME OVER 115dB...00:00:00.00

DOSE (80).....	0.00%
PROJ. DOSE (80)..	0.00%
DOSE (90).....	0.00%
PROJ. DOSE (90)..	0.00%

<<< TIME HISTORY REPORT FOR TEST NUMBER 4 OF 5 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
12/09/04					
12:22:00	66.0	69.1	UNDER	67.4	62.4
12:22:59	61.5	73.9	UNDER	65.4	53.4
12:23:58	67.4	74.9	UNDER	70.4	59.4
12:24:57	66.3	76.6	UNDER	68.4	58.4
12:25:56	65.6	71.9	UNDER	69.4	55.4
12:26:55	65.2	71.0	UNDER	67.4	61.4
12:27:54	65.6	71.5	UNDER	68.4	58.4
12:28:53	66.5	69.8	UNDER	69.4	60.4
12:29:52	70.2	79.0	UNDER	74.4	62.4
12:30:51	62.8	67.4	UNDER	65.4	56.4
12:31:50	67.9	73.9	UNDER	71.4	58.4
12:32:49	67.2	75.9	UNDER	73.4	56.4
12:33:48	65.3	73.9	UNDER	69.4	57.4
12:34:47	64.5	72.3	UNDER	67.4	57.4
12:35:46	69.8	75.1	UNDER	73.4	59.4
12:36:45	69.4	77.9	UNDER	72.4	60.4
12:37:44	59.9	65.0	UNDER	62.4	56.4
12:38:43	68.3	75.1	UNDER	72.4	63.4
12:39:42	66.0	76.3	UNDER	69.4	56.4
12:40:41	66.2	73.8	UNDER	69.4	58.4
12:41:40	66.6	74.7	UNDER	69.4	57.4
12:42:39	66.5	72.4	UNDER	70.4	61.4

```
**********************************************************************
Filename..............SG121513
Test Location.........17700 Mill Crest Drive (R 9-1)
Employee Name.........MJM, LAA
Employee Number.......
Date..................12/15/04 (traffic count 1:01PM-1:21PM)
Calibrator Type.......
Calibrator Cal. Date...
**********************************************************************

METROSONICS db-3080  V1.20  SERIAL # 5913
REPORT PRINTED ON 12/16/04 at 10:16:47

User ID: _____

The Wilson T. Ballard Co



LOGGING STARTED......12/15/04 at 12:42:00
TOTAL LOGGING TIME...0 DAYS 00:48:59
LOGGING STOPPED......12/15/04 at 13:30:59
TOTAL INTERVALS......49
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....12/15/04 AT 08:16:47
PRE-TEST CALIBRATION RANGE...40.5 TO 140.5 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE


<<< SUMMARY REPORT FOR TEST NUMBER 3 OF 5 >>>

EXCHANGE RATE..........3dB
CUTOFFS.................. 80dB  90dB
CEILING................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  64.8dB
Lav ( 80)......  57.5dB
Lav ( 90)......  40.5dB
SEL.............  99.3dB

TWA.............  54.9dB
TWA ( 80)......  47.6dB
TWA ( 90)......  40.5dB

Lmax............  87.1dB  12/15/04 at 13:04:34
Lpk............UNDER RANGE
TIME OVER 115dB...00:00:00.00

DOSE ( 80)........     0.00%
PROJ. DOSE ( 80)..     0.00%
DOSE ( 90)........     0.00%
PROJ. DOSE ( 90)..     0.00%


<<< TIME HISTORY REPORT FOR TEST NUMBER 3 OF 5 >>>

  TIME          Lav        Lmax         Lpk     L(10.0)     L(90.0)
                dBA         dBA         dBC         dBA         dBA
12/15/04
12:42:00       71.9        80.8       UNDER        78.5        61.5
12:43:00       63.0        68.8       UNDER        67.5        50.5
12:44:00       62.3        71.5       UNDER        66.5        45.5
12:45:00       60.9        68.4       UNDER        65.5        47.5
12:46:00       60.9        67.2       UNDER        65.5        53.5
```

12:47:00	64.0	70.2	UNDER	67.5	57.5
12:48:00	63.0	68.8	UNDER	65.5	56.5
12:49:00	62.8	68.5	UNDER	65.5	53.5
12:50:00	63.4	68.8	UNDER	66.5	57.5
12:51:00	61.2	67.6	UNDER	65.5	55.5
12:52:00	63.2	68.8	UNDER	66.5	47.5
12:53:00	56.5	65.0	UNDER	61.5	48.5
12:54:00	66.4	73.7	UNDER	71.5	49.5
12:55:00	60.4	67.6	UNDER	64.5	50.5
12:56:00	63.7	69.8	UNDER	66.5	57.5
12:57:00	63.5	68.0	UNDER	66.5	57.5
12:58:00	57.4	63.2	UNDER	61.5	48.5
12:59:00	65.6	72.6	UNDER	70.5	57.5
13:00:00	64.2	69.1	UNDER	67.5	57.5
13:01:00	62.6	69.2	UNDER	66.5	51.5
13:02:00	61.2	67.2	UNDER	65.5	53.5
13:03:00	65.3	73.9	UNDER	68.5	58.5
13:04:00	74.3	87.1	UNDER	76.5	57.5
13:05:00	63.1	68.9	UNDER	66.5	57.5
13:06:00	63.9	72.4	UNDER	68.5	54.5
13:07:00	65.4	74.1	UNDER	69.5	48.5
13:08:00	64.5	69.1	UNDER	67.5	59.5
13:09:00	64.1	77.1	UNDER	67.5	54.5
13:10:00	65.9	71.6	UNDER	69.5	58.5
13:11:00	61.4	69.5	UNDER	66.5	50.5
13:12:00	65.5	73.4	UNDER	69.5	45.5
13:13:00	60.1	69.2	UNDER	63.5	44.5
13:14:00	65.4	72.3	UNDER	70.5	55.5
13:15:00	62.7	73.4	UNDER	65.5	51.5
13:16:00	65.2	75.0	UNDER	70.5	55.5
13:17:00	64.5	72.7	UNDER	67.5	57.5
13:18:00	60.6	64.8	UNDER	63.5	52.5
13:19:00	63.5	68.8	UNDER	67.5	52.5
13:20:00	61.2	69.9	UNDER	63.5	50.5
13:21:00	62.3	68.8	UNDER	65.5	53.5
13:22:00	62.3	69.2	UNDER	65.5	53.5
13:23:00	61.8	66.7	UNDER	65.5	55.5
13:24:00	64.0	73.2	UNDER	67.5	50.5
13:25:00	63.3	67.1	UNDER	66.5	56.5
13:26:00	65.4	70.7	UNDER	69.5	58.5
13:27:00	66.7	71.5	UNDER	70.5	62.5
13:28:00	63.6	72.8	UNDER	68.5	54.5
13:29:00	62.0	67.0	UNDER	65.5	54.5
13:30:00	61.4	66.4	UNDER	64.5	54.5

```
**************************************************************************
Filename..............SG121512
Test Location.........17709 Mill Crest Drive (R 9-2)
Employee Name.........MJM, LAA
Employee Number........
Date..................12/15/04 (traffic count 1:01PM-1:21PM)
Calibrator Type........
Calibrator Cal. Date...
**************************************************************************

METROSONICS db-3080  V1.20  SERIAL # 5912
REPORT PRINTED ON 12/16/04 at 09:45:26

User ID: _____

The Wilson T. Ballard Co



LOGGING STARTED......12/15/04 at 12:41:00
TOTAL LOGGING TIME...0 DAYS 00:49:57
LOGGING STOPPED......12/15/04 at 13:30:57
TOTAL INTERVALS......50
INTERVAL LENGTH......00:01:00

AUTO STOP............NO
CLOCK SYNCH..........YES
RESPONSE RATE........SLOW
FILTER...............A WT.

PRE-TEST CALIBRATION TIME....12/15/04 AT 08:14:16
PRE-TEST CALIBRATION RANGE...40.2 TO 140.2 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE


<<< SUMMARY REPORT FOR TEST NUMBER 4 OF 7 >>>

EXCHANGE RATE..........3dB
CUTOFFS.................. 80dB  90dB
CEILING.................115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav.............  57.4dB
Lav ( 80)......  40.2dB
Lav ( 90)......  40.2dB
SEL.............  92.1dB

TWA.............  47.6dB
TWA ( 80)......  40.2dB
TWA ( 90)......  40.2dB

Lmax............  74.5dB  12/15/04 at 12:46:13
Lpk............UNDER RANGE
TIME OVER 115dB...00:00:00.00

DOSE ( 80)........     0.00%
PROJ. DOSE ( 80)..     0.00%
DOSE ( 90)........     0.00%
PROJ. DOSE ( 90)..     0.00%


<<< TIME HISTORY REPORT FOR TEST NUMBER 4 OF 7 >>>

  TIME            Lav        Lmax         Lpk     L(10.0)     L(90.0)
                  dBA         dBA         dBC         dBA         dBA
12/15/04
12:41:00         54.0        59.6       UNDER        58.2        48.2
12:42:00         65.3        74.1       UNDER        70.2        55.2
12:43:00         54.9        58.8       UNDER        58.2        47.2
12:44:00         55.1        60.3       UNDER        58.2        47.2
12:45:00         58.8        68.0       UNDER        63.2        53.2
```

12:46:00	64.5	74.5	UNDER	68.2	51.2
12:47:00	55.8	59.2	UNDER	58.2	53.2
12:48:00	55.0	57.6	UNDER	56.2	51.2
12:49:00	55.3	57.7	UNDER	56.2	52.2
12:50:00	55.5	59.6	UNDER	58.2	51.2
12:51:00	54.0	57.7	UNDER	56.2	50.2
12:52:00	55.4	59.0	UNDER	57.2	48.2
12:53:00	51.9	56.0	UNDER	54.2	48.2
12:54:00	58.4	63.6	UNDER	62.2	49.2
12:55:00	54.2	58.5	UNDER	57.2	50.2
12:56:00	55.6	58.8	UNDER	57.2	51.2
12:57:00	55.7	58.0	UNDER	57.2	53.2
12:58:00	52.2	54.5	UNDER	54.2	48.2
12:59:00	57.5	61.3	UNDER	60.2	54.2
13:00:00	57.0	61.9	UNDER	60.2	53.2
13:01:00	54.2	57.6	UNDER	56.2	48.2
13:02:00	53.8	57.2	UNDER	56.2	49.2
13:03:00	56.5	60.0	UNDER	59.2	51.2
13:04:00	63.5	73.6	UNDER	66.2	54.2
13:05:00	55.5	58.5	UNDER	58.2	50.2
13:06:00	56.5	61.6	UNDER	60.2	49.2
13:07:00	56.6	60.8	UNDER	60.2	49.2
13:08:00	56.6	58.6	UNDER	58.2	54.2
13:09:00	57.2	66.1	UNDER	60.2	52.2
13:10:00	57.5	60.0	UNDER	59.2	53.2
13:11:00	55.1	60.8	UNDER	58.2	50.2
13:12:00	57.1	62.5	UNDER	60.2	47.2
13:13:00	53.6	57.6	UNDER	56.2	46.2
13:14:00	57.4	61.6	UNDER	60.2	51.2
13:15:00	54.5	59.5	UNDER	58.2	49.2
13:16:00	56.0	61.2	UNDER	59.2	51.2
13:17:00	56.6	58.9	UNDER	58.2	55.2
13:18:00	54.4	60.4	UNDER	56.2	51.2
13:19:00	55.9	58.4	UNDER	57.2	49.2
13:20:00	53.8	58.8	UNDER	56.2	48.2
13:21:00	55.5	59.9	UNDER	58.2	50.2
13:22:00	54.1	58.4	UNDER	56.2	51.2
13:23:00	54.1	57.6	UNDER	56.2	51.2
13:24:00	56.0	59.2	UNDER	58.2	52.2
13:25:00	55.4	57.3	UNDER	56.2	53.2
13:26:00	57.5	62.4	UNDER	60.2	52.2
13:27:00	62.4	66.8	UNDER	65.2	57.2
13:28:00	55.9	61.2	UNDER	58.2	50.2
13:29:00	55.7	59.8	UNDER	58.2	51.2
13:30:00	54.9	59.2	UNDER	58.2	50.2

****
Filename.....SG121572
Test Location.....22 Mill Crest Court (R 9-3)
Employee Name.....MJM, LAA
Employee Number.....
Date.....12/15/04 (traffic count 1:01PM-1:21PM)
Calibrator Type.....
Calibrator Cal. Date...
****

METROSONICS db-3080 V1.20 SERIAL # 2572
REPORT PRINTED ON 12/16/04 at 10:37:58

User ID: _____

The Wilson T. Ballard Co

LOGGING STARTED.....12/15/04 at 12:49:00
TOTAL LOGGING TIME...0 DAYS 00:38:53
LOGGING STOPPED.....12/15/04 at 13:27:53
TOTAL INTERVALS.....39
INTERVAL LENGTH.....00:01:00

AUTO STOP.....NO
CLOCK SYNCH.....YES
RESPONSE RATE.....SLOW
FILTER.....A WT.

PRE-TEST CALIBRATION TIME....12/15/04 AT 08:18:51
PRE-TEST CALIBRATION RANGE...38.7 TO 138.7 dB
POST-TEST CALIBRATION NOT DONE
CUTOFF USED FOR TIME HISTORY Lav...NONE

<<< SUMMARY REPORT FOR TEST NUMBER 4 OF 7 >>>

EXCHANGE RATE.....3dB
CUTOFFS..... 80dB 90dB
CEILING.....115dB
DOSE CRITERION LEVEL... 90dB
DOSE CRITERION LENGTH.. 8 HOURS

Lav..... 69.8dB
Lav (80)..... 59.8dB
Lav (90)..... 38.7dB
SEL..... 103.4dB

TWA..... 59.0dB
TWA (80)..... 48.9dB
TWA (90)..... 38.7dB

Lmax..... 88.9dB 12/15/04 at 13:04:45
Lpk.....UNDER RANGE
TIME OVER 115dB...00:00:00.00

DOSE (80)..... 0.00%
PROJ. DOSE (80).. 0.00%
DOSE (90)..... 0.00%
PROJ. DOSE (90).. 0.00%

<<< TIME HISTORY REPORT FOR TEST NUMBER 4 OF 7 >>>

TIME	Lav dBA	Lmax dBA	Lpk dBC	L(10.0) dBA	L(90.0) dBA
12/15/04					
12:49:00	68.6	73.6	UNDER	72.7	55.7
12:50:00	68.0	72.4	UNDER	70.7	61.7
12:51:00	66.5	72.1	UNDER	69.7	59.7
12:52:00	70.7	76.8	UNDER	75.7	53.7
12:53:00	63.6	71.6	UNDER	66.7	54.7

12:54:00	72.7	80.5	UNDER	76.7	62.7
12:55:00	65.6	72.8	UNDER	70.7	56.7
12:56:00	68.1	73.2	UNDER	70.7	63.7
12:57:00	69.7	76.4	UNDER	73.7	58.7
12:58:00	64.9	71.4	UNDER	69.7	51.7
12:59:00	71.2	78.8	UNDER	74.7	61.7
13:00:00	68.5	73.2	UNDER	72.7	51.7
13:01:00	69.0	73.7	UNDER	72.7	56.7
13:02:00	68.6	74.7	UNDER	72.7	62.7
13:03:00	69.6	76.8	UNDER	73.7	58.7
13:04:00	76.5	88.9	UNDER	78.7	63.7
13:05:00	68.6	74.4	UNDER	71.7	64.7
13:06:00	68.2	79.0	UNDER	70.7	60.7
13:07:00	73.3	81.2	UNDER	77.7	59.7
13:08:00	71.4	81.0	UNDER	74.7	60.7
13:09:00	68.6	75.2	UNDER	72.7	59.7
13:10:00	70.1	75.2	UNDER	72.7	60.7
13:11:00	67.1	75.6	UNDER	70.7	55.7
13:12:00	72.5	79.6	UNDER	75.7	50.7
13:13:00	65.4	71.5	UNDER	69.7	50.7
13:14:00	71.0	77.6	UNDER	74.7	60.7
13:15:00	67.3	76.4	UNDER	71.7	54.7
13:16:00	67.2	72.8	UNDER	70.7	60.7
13:17:00	71.7	76.4	UNDER	75.7	67.7
13:18:00	66.3	70.8	UNDER	69.7	54.7
13:19:00	69.4	75.1	UNDER	73.7	60.7
13:20:00	67.8	74.4	UNDER	72.7	56.7
13:21:00	67.4	73.7	UNDER	70.7	59.7
13:22:00	67.6	73.7	UNDER	71.7	55.7
13:23:00	68.9	73.6	UNDER	71.7	60.7
13:24:00	69.4	78.9	UNDER	74.7	53.7
13:25:00	68.4	73.6	UNDER	71.7	62.7
13:26:00	70.3	80.4	UNDER	72.7	64.7
13:27:00	73.1	80.4	UNDER	76.7	67.7

```
**************************************************************************
Filename.......
Location.......31 Mill Crest Court
Receptor.......R 9-4
Date...........12/15/04 (traffic count 1:01PM-1:21PM)

Personnel......MJM, LAA
**************************************************************************
METROSONICS db-308 SN 1875 V2.3  3/87

CURRENT DATE: 12/15/04
CURRENT TIME: 17:35:55

CALIBRATED:  12/15/04  @   8:21:26

DISPLAY RANGE:  49.2dB TO 145.2dB

DOUBLING RATE:  3 dB

FILTER: A WGHT

RESPONSE:  SLOW

SCHEDULED RUN: OFF

   START DATE: 1/01/85
   START TIME: 0:00:00
   LENGTH:     1:00:00


** OVERALL REPORT **

TEST STARTING DATE:  12/15/04
TEST STARTING TIME:  11:08:51
TEST LENGTH:     0DAYS  1:27:56

Lav    = 60.9dB
Lav  80= 49.5dB
Lav  90= 49.2dB
SEL    = 98.0dB

Lmax = 80.7dB  ON 12/15/04 @ 12:48:01
Lpk  <  124dB

TIME OVER 115dB  0D  0:00:00.00

DOSE CRITERION:  90dB

 8 HR DOSE ( 80dB CUTOFF)=  0.00%
 8 HR PROJ. DOSE ( 80dB CUTOFF)=  0.00%
 8 HR DOSE ( 90dB CUTOFF)=  0.00%
 8 HR PROJ. DOSE ( 90dB CUTOFF)=  0.00%

** TIME HISTORY REPORT **

MODE: CONTINUOUS
PERIOD LENGTH:  0:01:00
```

TIME HISTORY CUTOFF: NONE
Ln(1): 10.0% Ln(2): 90.0%

INT# TAG#	START TIME	Lav ET	Lmax L1	Lpk L2	
39 0	12/15/04 12:58:57	58.0 0:01:00	62.8 60	<124 53	* +
40 0	12/15/04 12:59:57	55.8 0:01:00	59.7 58	<124 50	* +
41 0	12/15/04 13:00:57	56.0 0:01:00	59.2 57	<124 52	* +
42 0	12/15/04 13:01:57	55.0 0:01:00	58.6 57	<124 52	* +
43 0	12/15/04 13:02:57	56.3 0:01:00	59.2 58	<124 52	* +
44 0	12/15/04 13:03:57	62.9 0:01:00	71.5 68	<124 55	* +
45 0	12/15/04 13:04:57	55.0 0:01:00	58.9 57	<124 51	* +
46 0	12/15/04 13:05:57	55.9 0:01:00	60.4 58	<124 52	* +
47 0	12/15/04 13:06:57	58.0 0:01:00	62.7 60	<124 51	* +
48 0	12/15/04 13:07:57	59.3 0:01:00	66.4 61	<124 53	* +
49 0	12/15/04 13:08:57	57.9 0:01:00	68.1 59	<124 52	* +
50 0	12/15/04 13:09:57	56.8 0:01:00	63.3 59	<124 54	* +
51 0	12/15/04 13:10:57	56.5 0:01:00	62.8 59	<124 52	* +
52 0	12/15/04 13:11:57	57.6 0:01:00	62.7 61	<124 49	* +
53 0	12/15/04 13:12:57	54.7 0:01:00	58.6 57	<124 49	* +
54 0	12/15/04 13:13:57	56.5 0:01:00	59.3 58	<124 53	* +
55 0	12/15/04 13:14:57	54.4 0:01:00	56.9 55	<124 52	* +

56	12/15/04	55.5	57.4	<124		* +
0	13:15:57	0:01:00	56	54		
57	12/15/04	58.2	62.8	<124		* +
0	13:16:57	0:01:00	60	55		
58	12/15/04	53.9	56.6	<124		* +
0	13:17:57	0:01:00	56	51		
59	12/15/04	55.3	59.6	<124		* +
0	13:18:57	0:01:00	58	52		
60	12/15/04	54.4	58.6	<124		* +
0	13:19:57	0:01:00	56	52		
61	12/15/04	55.2	61.3	<124		* +
0	13:20:57	0:01:00	58	51		
62	12/15/04	55.4	59.6	<124		* +
0	13:21:57	0:01:00	58	51		
63	12/15/04	55.2	57.8	<124		* +
0	13:22:57	0:01:00	56	52		
64	12/15/04	57.0	60.9	<124		* +
0	13:23:57	0:01:00	59	52		

APPENDIX C:
RECEPTOR SITE PHOTOGRAPHS
JULY, 2005

Prepared by:

The Wilson T. Ballard Company
17 Gwynns Mill Court
Owings Mills, Maryland 21117

Receptor 1-1: 7883 Briardale Terrace

Receptor 1-2: 7860 Briardale Terrace

Receptor 1-3: 7828 Briardale Terrace

Receptor 1-4: 7814 Briardale Terrace

Receptor 2A-1: 17005 Teal Court

Receptor 2A-2: 7700 Rydal Terrace

Receptor 2A-3: 7700 Polara Place

Receptor 2B-1: 17113 Berclair Terrace

Receptor 2B-2: 17124 Berclair Terrace

Receptor 3-1: 7501 Epsilon Drive

Receptor 3-2: 17208 Berclair Terrace

Receptor 3-3: 17225 Berclair Terrace

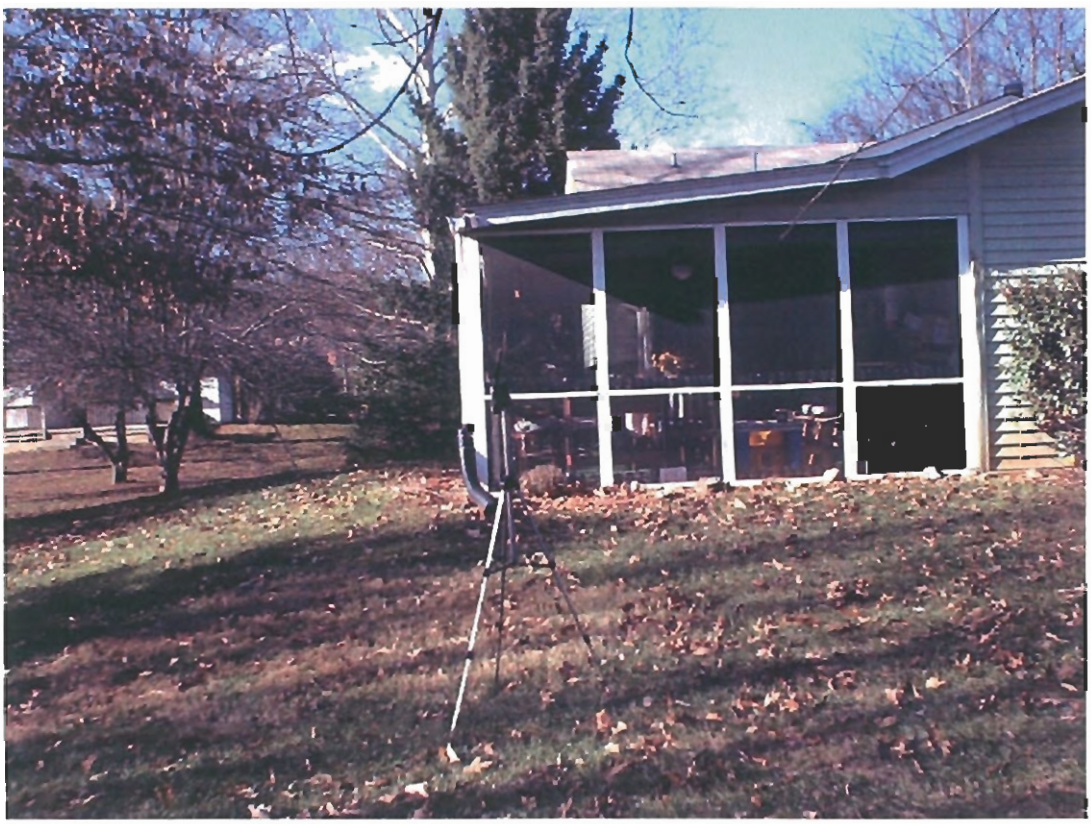
Receptor 4-1A: 17429 Park Mill Drive

Receptor 4-3: 17505 Park Mill Drive

Receptor 4-3A: 17437 Park Mill Drive

Receptor 4-3B: 17513 Park Mill Drive

Receptor 4-3C: 17517 Park Mill Drive



Receptor 4-4: 7300 Mill Run Drive

Receptor 4-4A: 17525 Park Mill Drive

Receptor 5-2: 17736 Cliffbourne Lane

Receptor 5-3: 17737 Cliffbourne Lane

Receptor 5-3A: 17721 Cliffbourne Lane

Receptor 5-3B: 17733 Cliffbourne Lane

Receptor 5-4: 17809 Cliffbourne Lane

Receptor 5-4A: 17801 Cliffbourne Lane

Receptor 6-1: 16600 Bethayres Road

Receptor 6-2: 16816 Malabar Street

Receptor 6-3: 16836 Malabar Street

Receptor 6-4: 16825 Malabar Street

Receptor 7A-1: 16937 Briardale Road

Receptor 7A-2: 16921 Briardale Road

Receptor 7B-1: 1 Tupelo Court

Receptor 7B-2: 6 Tupelo Court

Receptor 8A-2: 9 Founders Mill Court

Receptor 8A-2A: 13 Founders Mill Court

Receptor 8A-4A: 17313 Founders Mill Drive

Receptor 8B-3: 17500 McDade Court

Receptor 9-1: 17700 Mill Crest Drive

Receptor 9-2: 17709 Mill Crest Drive

Receptor 9-3: 22 Mill Crest Court

APPENDIX D:
24-HOUR AMBIENT NOISE LEVELWORKSHEETS
JULY, 2005

Prepared by:

The Wilson T. Ballard Company
17 Gwynns Mill Court
Owings Mills, Maryland 21117

Shady Grove Road Study Area

24-Hour Measurement Study

Test Date: Start= 1:00pm November 17, 2004
End= 1:00pm November 18, 2004

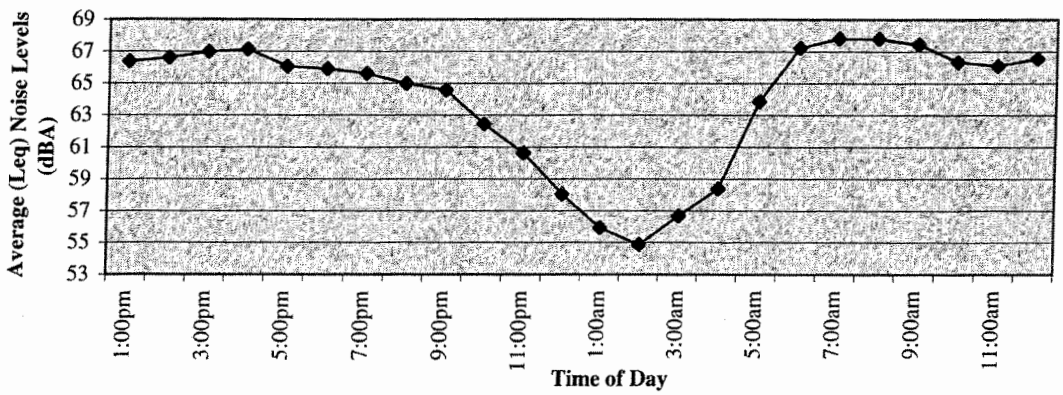
Location: 7860 Briardale Terrace - Rec. 1-2

Peak Hour: 6:40am to 7:40am - 67.8 dBA

Sub-interval(min)=	20
# of Intervals/hour=	3

Interval	1	2	3	Hourly Leq
1:00pm	66	66	66	66
2:00pm	66	66	67	67
3:00pm	67	67	67	67
4:00pm	67	68	66	67
5:00pm	67	66	66	66
6:00pm	66	66	66	66
7:00pm	66	66	65	66
8:00pm	65	65	65	65
9:00pm	65	65	64	65
10:00pm	64	62	61	62
11:00pm	61	60	60	61
12:00am	60	58	56	58
1:00am	56	56	55	56
2:00am	54	55	55	55
3:00am	56	55	58	57
4:00am	56	57	61	58
5:00am	62	64	65	64
6:00am	67	67	68	67
7:00am	68	68	68	68
8:00am	68	68	68	68
9:00am	68	68	67	67
10:00am	66	66	67	66
11:00am	66	66	66	66
12:00pm	66	67	67	67

24-Hour Noise Measurement



Shady Grove Road Study Area

24-Hour Measurement Study

Test Date: Start= 1:50pm November 16, 2004
End= 12:50pm November 17, 2004

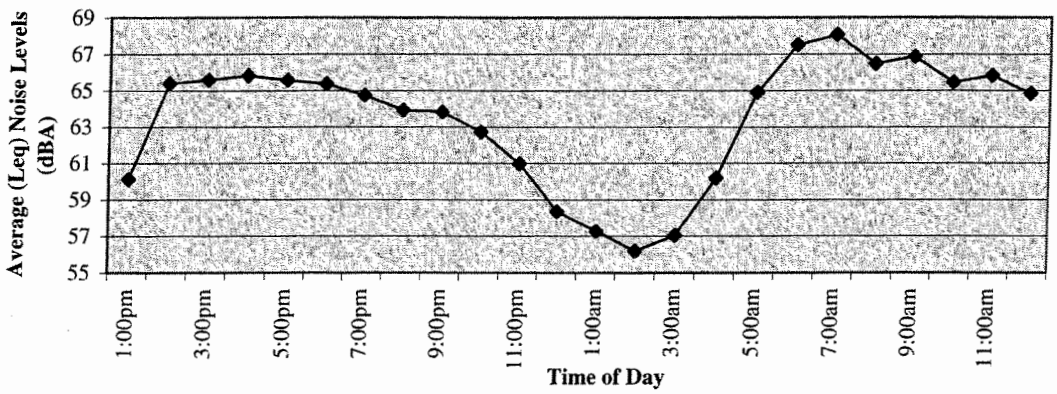
Location: 7700 Rydal Terrace - Rec 2A-2

Peak Hour: 6:40am to 7:40am - 68.1 dBA

Sub-interval(min)=	20
# of Intervals/hour=	3

Interval	1	2	3	Hourly Leq
1:00pm	0	0	65	60
2:00pm	65	65	66	65
3:00pm	65	65	66	66
4:00pm	66	66	66	66
5:00pm	66	66	65	66
6:00pm	66	65	65	65
7:00pm	65	65	64	65
8:00pm	64	63	64	64
9:00pm	64	64	64	64
10:00pm	63	63	62	63
11:00pm	62	61	60	61
12:00am	59	59	57	58
1:00am	58	56	58	57
2:00am	56	56	56	56
3:00am	56	58	58	57
4:00am	58	60	62	60
5:00am	64	65	66	65
6:00am	67	68	68	68
7:00am	68	69	68	68
8:00am	66	66	67	66
9:00am	67	68	66	67
10:00am	66	65	65	65
11:00am	65	65	67	66
12:00pm	66	65	63	65

24-Hour Noise Measurement



Shady Grove Road Study Area

24-Hour Measurement Study

Test Date: Start= 3:40pm November 18, 2004
End= 3:40pm November 19, 2004

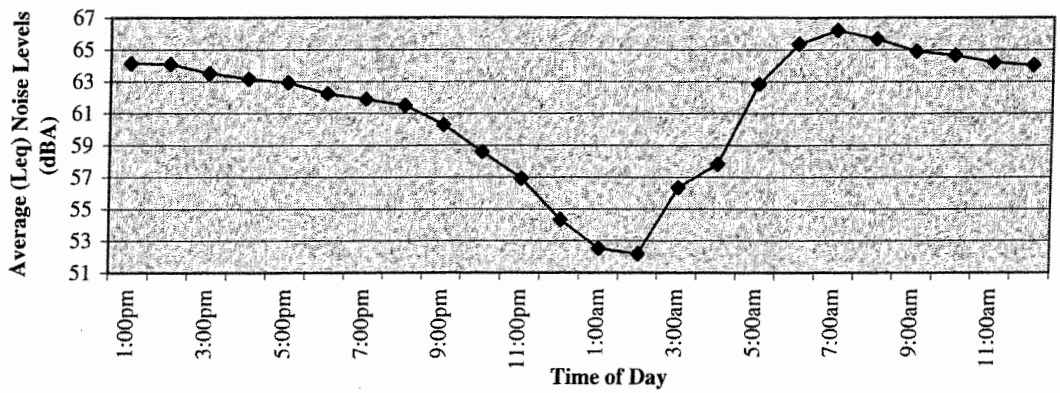
Location: 17505 Park Mill Drive - Rec. 4-3

Peak Hour: 7:00am to 8:00am - 66.2 dBA

Sub-interval(min)=	20
# of Intervals/hour=	3

Interval	1	2	3	Hourly Leq
1:00pm	64	64	65	64
2:00pm	64	64	64	64
3:00pm	64	64	63	64
4:00pm	63	63	63	63
5:00pm	63	63	63	63
6:00pm	62	62	62	62
7:00pm	62	62	61	62
8:00pm	62	61	62	62
9:00pm	61	61	59	60
10:00pm	59	59	58	59
11:00pm	57	58	55	57
12:00am	55	53	55	54
1:00am	54	52	51	53
2:00am	50	54	52	52
3:00am	54	58	56	56
4:00am	55	58	59	58
5:00am	62	63	63	63
6:00am	65	66	65	65
7:00am	66	66	66	66
8:00am	66	66	65	66
9:00am	66	65	64	65
10:00am	65	64	65	65
11:00am	64	65	64	64
12:00pm	64	65	63	64

24-Hour Noise Measurement



Shady Grove Road Study Area

24-Hour Measurement Study

Test Date: Start= 2:30pm June 1, 2005
End= 2:30pm June 2, 2005

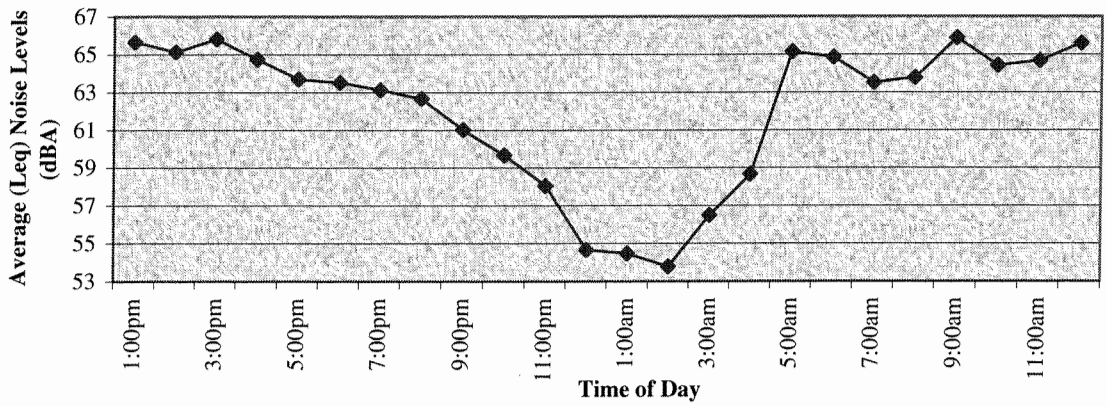
Location: 17437 Park Mill Drive - Rec. 4-3A

Peak Hour: 2:20pm to 3:20pm - 66.3 dBA
L_{dn}: 67.7 dBA

Sub-interval(min)=	20
# of Intervals/hour=	3

Interval	1	2	3	Hourly Leq
1:00pm	66	64	66	66
2:00pm	65	65	65	65
3:00pm	68	64	65	66
4:00pm	65	65	64	65
5:00pm	64	63	64	64
6:00pm	63	64	64	64
7:00pm	63	63	63	63
8:00pm	63	63	62	63
9:00pm	61	61	61	61
10:00pm	60	60	59	60
11:00pm	58	58	58	58
12:00am	54	56	54	55
1:00am	56	54	53	54
2:00am	51	56	53	54
3:00am	55	57	57	56
4:00am	55	59	60	59
5:00am	66	63	65	65
6:00am	65	66	62	65
7:00am	64	64	63	64
8:00am	64	64	64	64
9:00am	65	66	66	66
10:00am	64	64	65	64
11:00am	64	65	65	65
12:00pm	65	66	66	66

24-Hour Noise Measurement



Shady Grove Road Study Area

24-Hour Measurement Study

Test Date: Start= 2:30pm June 1, 2005
End= 2:30pm June 2, 2005

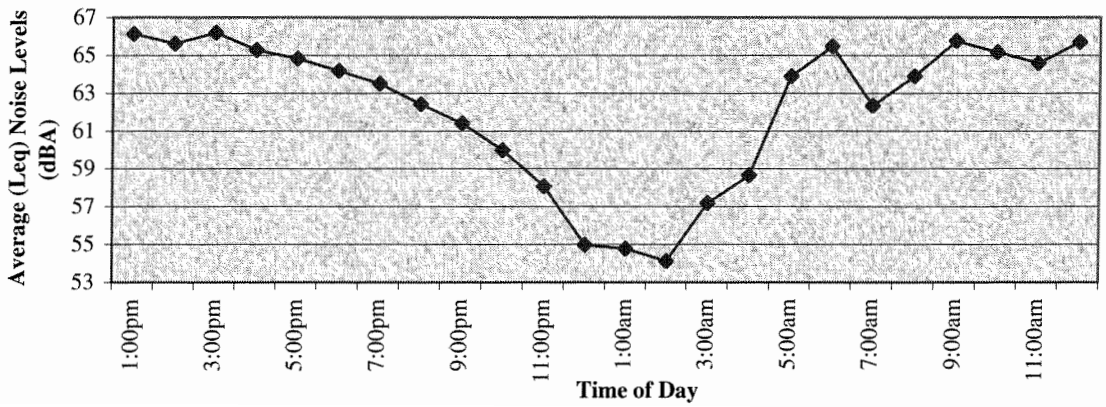
Location: 17513 Park Mill Drive - Rec. 4-3B

Peak Hour: 2:20pm to 3:20pm - 66.7 dBA
L_{dn}: 67.7 dBA

Sub-interval(min)=	20
# of Intervals/hour=	3

Interval	1	2	3	Hourly Leq
1:00pm	67	65	66	66
2:00pm	66	66	65	66
3:00pm	68	64	65	66
4:00pm	66	65	65	65
5:00pm	64	64	66	65
6:00pm	64	64	64	64
7:00pm	64	63	64	63
8:00pm	63	63	62	62
9:00pm	61	62	61	61
10:00pm	61	60	59	60
11:00pm	59	59	57	58
12:00am	54	56	54	55
1:00am	56	54	54	55
2:00am	51	56	54	54
3:00am	56	57	59	57
4:00am	56	59	60	59
5:00am	62	64	66	64
6:00am	66	67	63	65
7:00am	63	62	63	62
8:00am	64	63	65	64
9:00am	66	66	66	66
10:00am	65	65	65	65
11:00am	65	65	64	65
12:00pm	66	66	66	66

24-Hour Noise Measurement



Shady Grove Road Study Area

24-Hour Measurement Study

Test Date: Start= 2:55pm November 18, 2004
End= 2:55pm November 19, 2004

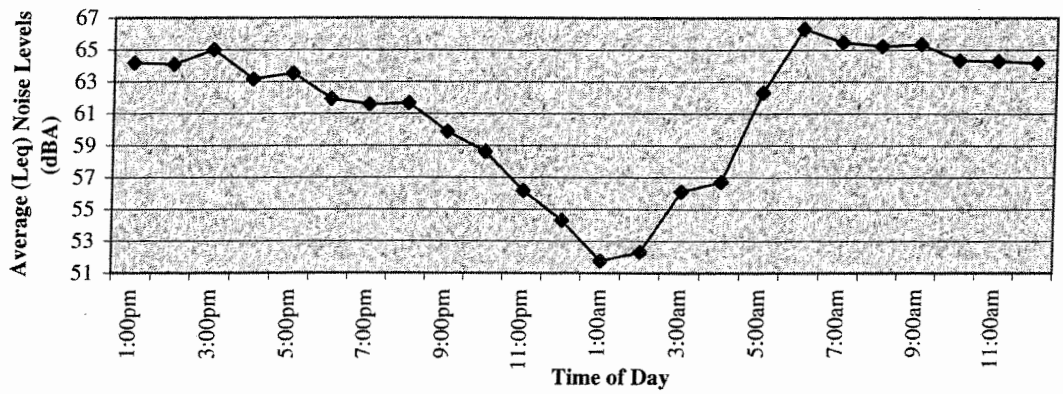
Location: 17737 Cliffbourne Lane - Rec. 5-3

Peak Hour: 6:00am to 7:00am - 66.3 dBA

Sub-interval(min)=	20
# of Intervals/hour=	3

Interval	1	2	3	Hourly Leq
1:00pm	64	64	64	64
2:00pm	65	63	64	64
3:00pm	65	66	63	65
4:00pm	64	63	62	63
5:00pm	62	65	64	64
6:00pm	62	62	62	62
7:00pm	62	62	61	62
8:00pm	61	61	63	62
9:00pm	60	60	59	60
10:00pm	59	59	58	59
11:00pm	57	57	55	56
12:00am	55	53	55	54
1:00am	53	51	51	52
2:00am	50	54	51	52
3:00am	54	58	54	56
4:00am	54	56	59	57
5:00am	61	62	63	62
6:00am	66	67	66	66
7:00am	65	65	66	65
8:00am	65	66	65	65
9:00am	66	65	65	65
10:00am	65	64	64	64
11:00am	64	65	64	64
12:00pm	64	65	64	64

24-Hour Noise Measurement



Shady Grove Road Study Area

24-Hour Measurement Study

Test Date: Start= 2:20pm November 18, 2004
End= 2:20pm November 19, 2004

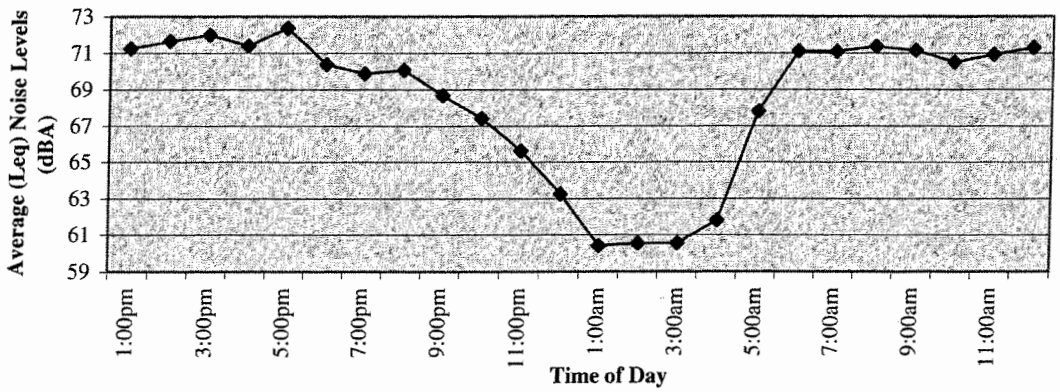
Location: 16937 Briardale Road - Rec. 7A-1

Peak Hour: 5:00pm to 6:00pm - 72.4 dBA

Sub-interval(min)=	20
# of Intervals/hour=	3

Interval	1	2	3	Hourly Leq
1:00pm	71	71	71	71
2:00pm	72	72	71	72
3:00pm	72	73	72	72
4:00pm	72	71	71	71
5:00pm	71	71	74	72
6:00pm	70	71	70	70
7:00pm	70	70	70	70
8:00pm	70	69	71	70
9:00pm	69	69	68	69
10:00pm	68	67	67	67
11:00pm	67	66	64	66
12:00am	65	63	62	63
1:00am	61	60	59	60
2:00am	59	61	61	61
3:00am	60	62	60	61
4:00am	60	62	63	62
5:00am	66	68	69	68
6:00am	70	72	71	71
7:00am	71	71	72	71
8:00am	71	71	72	71
9:00am	71	71	71	71
10:00am	70	70	71	71
11:00am	71	71	71	71
12:00pm	71	72	71	71

24-Hour Noise Measurement



Shady Grove Road Study Area

24-Hour Measurement Study

Test Date: Start= 1:40pm November 17, 2004
End= 1:40pm November 18, 2004

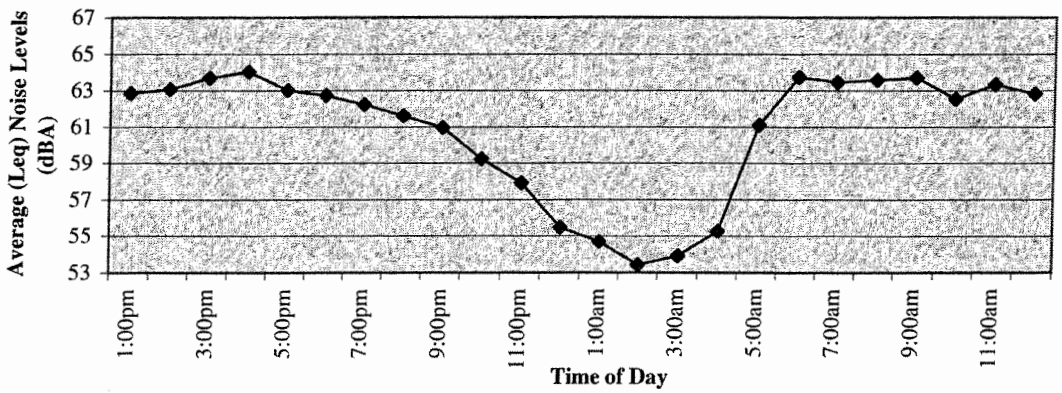
Location: 6 Tupelo Court - Rec. 7B-2

Peak Hour: 4:00pm to 5:00pm - 64.0 dBA

Sub-interval(min)=	20
# of Intervals/hour=	3

Interval	1	2	3	Hourly Leq
1:00pm	63	63	63	63
2:00pm	63	63	64	63
3:00pm	64	64	64	64
4:00pm	64	64	64	64
5:00pm	63	63	63	63
6:00pm	63	63	62	63
7:00pm	62	62	62	62
8:00pm	62	62	62	62
9:00pm	61	61	60	61
10:00pm	60	60	58	59
11:00pm	58	57	58	58
12:00am	57	55	54	55
1:00am	54	55	55	55
2:00am	54	52	54	53
3:00am	54	52	55	54
4:00am	53	55	57	55
5:00am	59	61	63	61
6:00am	63	64	64	64
7:00am	64	63	63	63
8:00am	63	64	63	64
9:00am	64	64	63	64
10:00am	63	62	63	63
11:00am	64	63	63	63
12:00pm	63	63	63	63

24-Hour Noise Measurement



Shady Grove Road Study Area

24-Hour Measurement Study

Test Date: Start= 1:25pm November 17, 2004
End= 1:25pm November 18, 2004

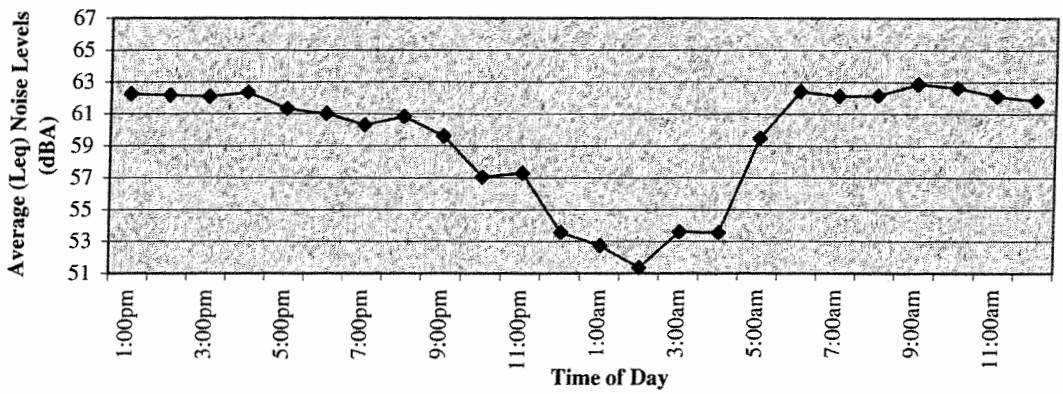
Location: 9 Founders Mill Court - Rec. 8A-2

Peak Hour: 8:40am to 9:40am - 63.0 dBA

Sub-interval(min)=	20
# of Intervals/hour=	3

Interval	1	2	3	Hourly Leq
1:00pm	62	63	61	62
2:00pm	62	62	63	62
3:00pm	62	62	62	62
4:00pm	62	62	63	62
5:00pm	61	61	61	61
6:00pm	62	61	60	61
7:00pm	60	60	60	60
8:00pm	60	62	60	61
9:00pm	60	60	58	60
10:00pm	58	57	56	57
11:00pm	58	56	57	57
12:00am	55	53	52	54
1:00am	52	53	53	53
2:00am	51	51	52	51
3:00am	55	51	53	54
4:00am	51	53	55	54
5:00am	58	59	61	59
6:00am	62	63	62	62
7:00am	62	62	62	62
8:00am	62	62	62	62
9:00am	63	63	62	63
10:00am	63	63	62	63
11:00am	62	62	62	62
12:00pm	61	62	62	62

24-Hour Noise Measurement



Shady Grove Road Study Area

24-Hour Measurement Study

Test Date: Start= 2:30pm June 1, 2005
End= 2:30pm June 2, 2005

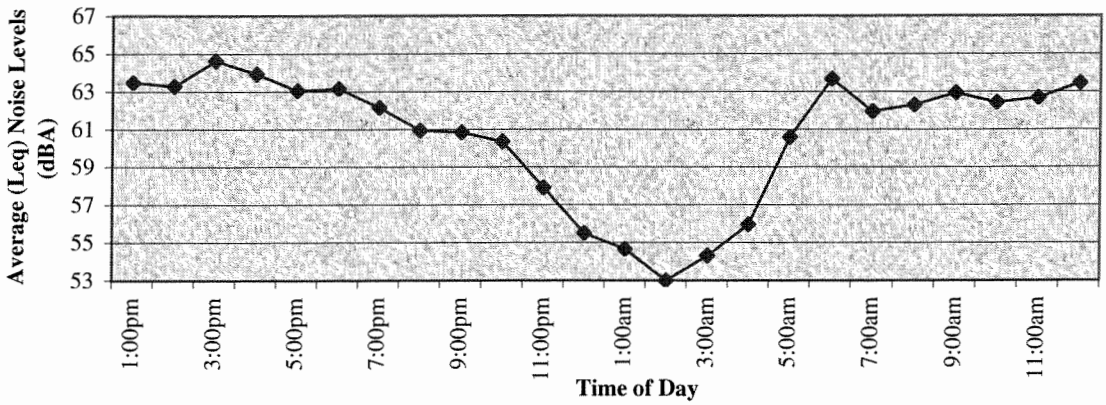
Location: 13 Founders Mill Court - Rec. 8A-2A

Peak Hour: 4:00pm to 5:00pm - 64.6 dBA
L_{dn}: 66.0 dBA

Sub-interval(min)=	20
# of Intervals/hour=	3

Interval	1	2	3	Hourly Leq
1:00pm	63	64	63	63
2:00pm	63	64	63	63
3:00pm	66	64	64	65
4:00pm	64	64	63	64
5:00pm	63	63	63	63
6:00pm	63	63	63	63
7:00pm	63	62	62	62
8:00pm	61	61	60	61
9:00pm	61	60	62	61
10:00pm	62	60	58	60
11:00pm	58	58	57	58
12:00am	55	56	55	55
1:00am	55	55	54	55
2:00am	51	54	53	53
3:00am	54	53	56	54
4:00am	54	56	57	56
5:00am	59	60	62	61
6:00am	63	64	64	64
7:00am	62	62	62	62
8:00am	63	62	62	62
9:00am	63	63	63	63
10:00am	62	62	63	62
11:00am	62	63	63	63
12:00pm	62	63	65	63

24-Hour Noise Measurement



Shady Grove Road Study Area

24-Hour Measurement Study

Test Date: Start= 2:20pm November 15, 2004
End= 12:55pm November 16, 2004

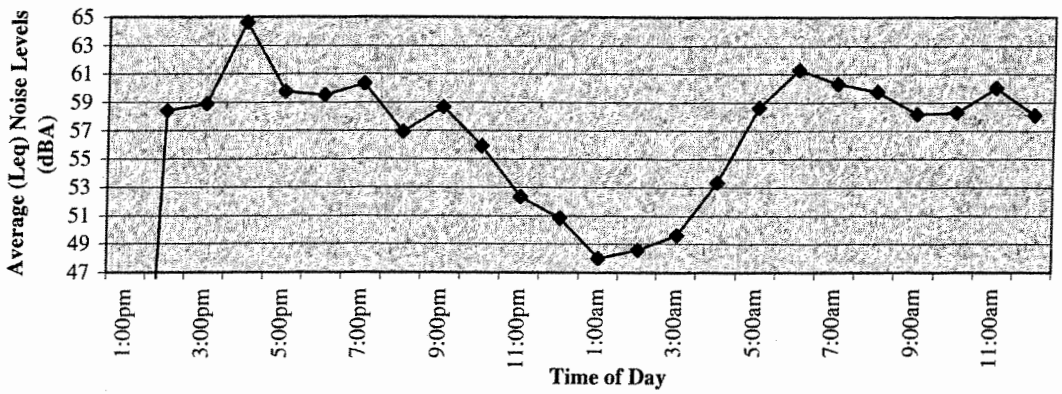
Location: 17500 McDade Court - Rec. 8B-3

Peak Hour: 6:00am to 7:00Am - <u>61.3 dBA</u>

Sub-interval(min)=	20
# of Intervals/hour=	3

Interval	1	2	3	Hourly Leq	
1:00pm	0	0	0	0	
2:00pm	0	58	58	58	
3:00pm	59	60	58	59	
4:00pm	59	~~66~~	~~66~~	65	Bad Data
5:00pm	61	59	58	60	
6:00pm	59	60	59	60	
7:00pm	61	61	59	60	
8:00pm	57	57	57	57	
9:00pm	57	57	61	59	
10:00pm	56	56	56	56	
11:00pm	54	52	49	52	
12:00am	51	50	51	51	
1:00am	48	48	48	48	
2:00am	47	50	49	49	
3:00am	49	49	50	50	
4:00am	51	53	55	53	
5:00am	57	58	60	59	
6:00am	61	61	61	61	
7:00am	61	60	60	60	
8:00am	60	60	59	60	
9:00am	58	59	58	58	
10:00am	59	58	57	58	
11:00am	60	62	58	60	
12:00pm	60	58	56	58	

24-Hour Noise Measurement



Shady Grove Road Study Area

24-Hour Measurement Study

Test Date: Start= 2:00pm November 17, 2004
End= 2:00pm November 18, 2004

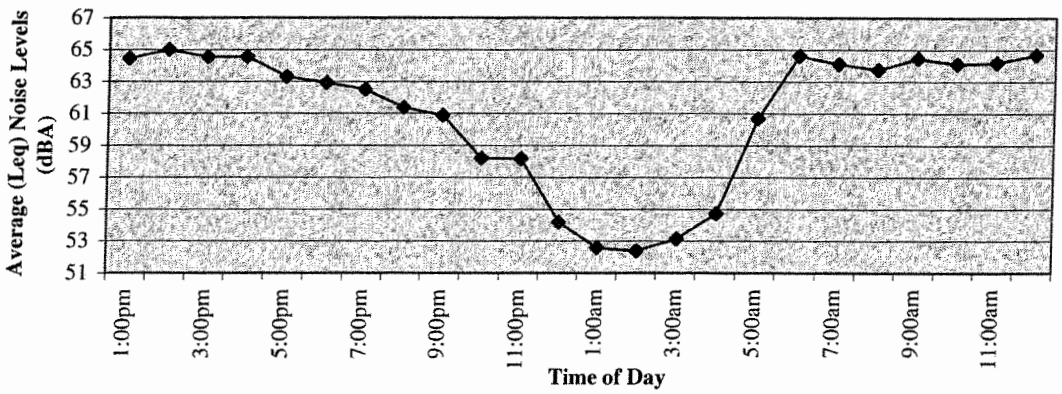
Location: 17700 Mill Crest Drive - Rec. 9-1

Peak Hour: 2:20pm to 3:20pm - 65.3 dBA

Sub-interval(min)=	20
# of Intervals/hour=	3

Interval	1	2	3	Hourly Leq
1:00pm	64	65	64	64
2:00pm	64	65	66	65
3:00pm	65	64	64	65
4:00pm	66	64	64	65
5:00pm	65	62	61	63
6:00pm	63	63	63	63
7:00pm	62	63	62	63
8:00pm	62	61	61	61
9:00pm	62	61	60	61
10:00pm	59	58	57	58
11:00pm	60	57	58	58
12:00am	55	55	53	54
1:00am	51	54	52	53
2:00am	53	51	53	52
3:00am	53	52	54	53
4:00am	53	53	57	55
5:00am	58	61	62	61
6:00am	64	64	65	65
7:00am	64	64	65	64
8:00am	64	64	64	64
9:00am	65	64	64	64
10:00am	64	64	64	64
11:00am	64	64	64	64
12:00pm	64	65	65	65

24-Hour Noise Measurement



APPENDIX E:
SCORING FACTORS
JULY, 2005

Prepared by:

The Wilson T. Ballard Company
17 Gwynns Mill Court
Owings Mills, Maryland 21117

Noise Impact during Peak-Noise Hour

LAS 1	
Rec.	Noise Lev.
7860 Briardale Terrace - Rec 1-2	71
7858 Briardale Terrace	70
7856 Briardale Terrace	69
7854 Briardale Terrace	68
7893 Briardale Terrace	68
7850 Briardale Terrace	67
7852 Briardale Terrace	67
7891 Briardale Terrace	67
7828 Briardale Terrace - Rec 1-3	67
7826 Briardale Terrace	66
Top 5 Ave=	69.2

LAS 2A	
Rec.	Noise Lev.
7704 Rydal Terrace	68
7700 Rydal Terrace - Rec 2A-2	68
7701 Rydal Terrace	67
17005 Teal Court - Rec 2A-1	62
7708 Rydal Terrace	61
17001 Teal Court	61
17009 Teal Court	61
17013 Teal Court	60
7705 Rydal Terrace	59
7709 Rydal Terrace	58
Top 5 Ave=	65.2

LAS 2B	
Rec.	Noise Lev.
7500 Epsilon Drive	73
17121 Berclair Terrace	70
17113 Berclair Terrace - Rec 2B-1	69
17117 Berclair Terrace	69
17125 Berclair Terrace	66
7504 Epsilon Drive	65
17132 Berclair Terrace	59
7500 Weatherby Drive	57
17124 Berclair Terrace - Rec 2B-2	57
17128 Berclair Terrace	57
Top 5 Ave=	69.4

LAS 3	
Rec.	Noise Lev.
17225 Berclair Terrace - Rec 3-3	75
17221 Berclair Terrace	74
7500 Tarpley Drive - Rec 3-4	74
7501 Tarpley Drive	73
17217 Berclair Terrace	71
17205 Berclair Terrace	70
17209 Berclair Terrace	70
17213 Berclair Terrace	70
7505 Tarpley Drive	70
7501 Epsilon Drive - Rec 3-1	69
Top 5 Ave=	73.4

LAS 4 - TNM	
Rec.	Noise Lev.
7300 Mill Run Drive - Rec 4-4	72
17513 Park Mill Drive	67
17501 Park Mill Drive	66
17505 Park Mill Drive - Rec 4-3	66
17521 Park Mill Drive	66
17437 Park Mill Drive	65
17509 Park Mill Drive	65
17517 Park Mill Drive	65
17525 Park Mill Drive	65
17425 Park Mill Drive - Rec 4-1	64
Top 5 Ave=	67.4

LAS 5 - TNM	
Rec.	Noise Lev.
7301 Mill Run Drive - Rec 5-1	69
17737 Cliffbourne Lane - Rec 5-3	67
17801 Cliffbourne Lane	65
17805 Cliffbourne Lane	65
17733 Cliffbourne Lane	64
17725 Cliffbourne Lane	64
17729 Cliffbourne Lane	64
17741 Cliffbourne Lane	63
17745 Cliffbourne Lane	63
17721 Cliffbourne Lane	63
Top 5 Ave=	66.0

[1]Noise impact during peak noise hour (NIP) is determined from the arithmetic average of the peak-noise hour equivalent sound levels (LAeq1hrPk) for the five receptors with the highest traffic noise exposures in the logical analysis segment. The NIP can have a maximum score of 30. Noise levels are based on LOS D traffic volumes south of Midcounty Highway and current (2005) traffic volumes north of Midcounty Highway.

[2]Shaded noise levels are included in highest five average.

Noise Impact during Peak-Noise Hour

LAS 6	
Rec.	Noise Lev.
16812 Malabar Street	75
16816 Malabar Street - Rec 6-2	75
16820 Malabar Street	75
16824 Malabar Street	75
16828 Malabar Street	75
16832 Malabar Street	75
16836 Malabar Street - Rec 6-3	75
16840 Malabar Street	75
16844 Malabar Street	75
16600 Bethayres Road - Rec 6-1	65
Top 5 Ave=	75.0

LAS 7A	
Rec.	Noise Lev.
16937 Briardale Road - Rec 7A-1	73
16933 Briardale Road	67
16929 Briardale Road	63
16925 Briardale Road	62
16921 Briardale Road - Rec 7A-2	61
16917 Briardale Road	59
16913 Briardale Road	57
Top 5 Ave=	65.2

LAS 7B	
Rec.	Noise Lev.
7422 Tupelo Drive	69
6 Tupelo Court - Rec 7B-2	65
2 Tupelo Court	64
9 Tupelo Court	59
5 Tupelo Court	58
1 Tupelo Court - Rec 7B-1	51
Top 5 Ave=	63.0

LAS 8A	
Rec.	Noise Lev.
7425 Tupelo Drive - Rec 8A-1	72
13 Founders Mill Court	66
9 Founders Mill Court - Rec 8A-2	65
14 Founders Mill Court	64
7421 Tupelo Drive	63
5 Founders Mill Court	62
17313 Founders Mill Drive	62
17321 Founders Mill Drive	61
17309 Founders Mill Drive - Rec 8A-4	61
17317 Founders Mill Drive	61
Top 5 Ave=	66.0

LAS 8B - TNM	
Rec.	Noise Lev.
7200 Mill Run Drive - Rec 8B-4	68
7324 Blanchard Drive	60
7328 Blanchard Drive	60
17500 McDade Court - Rec 8B-3	60
7320 Blanchard Drive - Rec 8B-2	59
17504 McDade Court	59
7312 Blanchard Drive	58
7316 Blanchard Drive	58
17501 McDade Court	58
7331 Blanchard Drive	57
Top 5 Ave=	61.4

LAS 9 - TNM	
Rec.	Noise Lev.
18 Millcrest Court	72
22 Millcrest Court - Rec 9-3	71
14 Millcrest Court	71
26 Millcrest Court	70
10 Millcrest Court	68
17700 Millcrest Drive - Rec 9-1	66
17701 Millcrest Drive	66
6 Millcrest Court	65
17705 Millcrest Drive	64
30 Millcrest Court	64
Top 5 Ave=	70.4

[1]Noise impact during peak noise hour (NIP) is determined from the arithmetic average of the peak-noise hour equivalent sound levels (LAeq1hrPk) for the five receptors with the highest traffic noise exposures in the logical analysis segment. The NIP can have a maximum score of 30. Noise levels are based on LOS D traffic volumes south of Midcounty Highway and current (2005) traffic volumes north of Midcounty Highway.

[2]Shaded noise levels are included in highest five average.

Noise Impact for Day and Night

24-hour measurements			
Rec.	Peak	Ldn	Diff
1-2	67.8	69.2	1.4
2A-2	68.1	69.3	1.2
4-B	66.3	67.7	1.4
4-C	66.7	67.7	1.0
5-3	66.3	67.1	0.8
7A-1	72.4	73.5	1.1
7B-2	64.0	66.0	2.0
8A-A	64.6	66.0	1.4
8A-2	63.0	64.6	1.6
8B-3	61.3	62.7	1.4
9-1	65.3	66.2	0.9

NDN			
LAS	Leq	adj	Ldn
1	69.2	1.4	70.6
2A	65.2	1.2	66.4
2B	69.4	2.0	71.4
3	73.4	1.5	74.9
4	67.4	1.2	68.6
5	66.0	0.8	66.8
6	75.0	1.4	76.4
7A	65.2	1.1	66.3
7B	63.0	2.0	65.0
8A	66.0	1.5	67.5
8B	61.4	1.4	62.8
9	70.4	0.9	71.3

LAS	Address	HCD	HPD	Road	Constructed before road?	Purchased before road?
1	7800 Briardale Terrace	1974	2000	1971	No	No
	7802 Briardale Terrace	1974	1999	1971	No	No
	7804 Briardale Terrace	1974	2000	1971	No	No
	7806 Briardale Terrace	1974	2001	1971	No	No
	7808 Briardale Terrace	1974	2001	1971	No	No
	7810 Briardale Terrace	1974	1997	1971	No	No
	7812 Briardale Terrace	1974	1986	1971	No	No
	7814 Briardale Terrace - Rec 1-4	1974	1999	1971	No	No
	7818 Briardale Terrace	1973	1989	1971	No	No
	7820 Briardale Terrace	1973	1986	1971	No	No
	7822 Briardale Terrace	1973	2005	1971	No	No
	7824 Briardale Terrace	1973	1985	1971	No	No
	7826 Briardale Terrace	1973	1988	1971	No	No
	7828 Briardale Terrace - Rec 1-3	1973	1997	1971	No	No
	7832 Briardale Terrace	1973	2000	1971	No	No
	7834 Briardale Terrace	1973	2003	1971	No	No
	7836 Briardale Terrace	1973	2002	1971	No	No
	7838 Briardale Terrace	1973	2005	1971	No	No
	7840 Briardale Terrace	1973	1999	1971	No	No
	7842 Briardale Terrace	1973	1993	1971	No	No
	7846 Briardale Terrace	1973	2003	1971	No	No
	7848 Briardale Terrace	1973	1993	1971	No	No
	7850 Briardale Terrace	1973	2001	1971	No	No
	7852 Briardale Terrace	1973	2004	1971	No	No
	7854 Briardale Terrace	1973	2001	1971	No	No
	7856 Briardale Terrace	1973	2002	1971	No	No
	7858 Briardale Terrace	1973	1977	1971	No	No
	7860 Briardale Terrace - Rec 1-2	1973	1996	1971	No	No
	7861 Briardale Terrace	1973	1999	1971	No	No
	7863 Briardale Terrace	1973	2002	1971	No	No
	7865 Briardale Terrace	1973	1998	1971	No	No
	7867 Briardale Terrace	1973	1999	1971	No	No
	7869 Briardale Terrace	1973	1991	1971	No	No
	7871 Briardale Terrace	1973	2000	1971	No	No
	7873 Briardale Terrace	1973	1997	1971	No	No
	7875 Briardale Terrace	1973	1997	1971	No	No
	7879 Briardale Terrace	1973	1977	1971	No	No
	7881 Briardale Terrace	1973	2002	1971	No	No
	7883 Briardale Terrace - Rec 1-1	1973	2004	1971	No	No
	7885 Briardale Terrace	1973	1995	1971	No	No
	7887 Briardale Terrace	1973	1997	1971	No	No
	7889 Briardale Terrace	1973	1999	1971	No	No
	7891 Briardale Terrace	1973	2003	1971	No	No
	7893 Briardale Terrace	1973	1989	1971	No	No
2A	17000 Teal Court	1974	1997	1971	No	No
	17001 Teal Court	1976	1991	1971	No	No
	17004 Teal Court	1976	1985	1971	No	No
	17005 Teal Court - Rec 2A-1	1976	1990	1971	No	No
	17009 Teal Court	1976	1976	1971	No	No
	17013 Teal Court	1976	2004	1971	No	No
	7700 Rydal Terrace - Rec 2A-2	1976	1976	1971	No	No
	7701 Rydal Terrace	1975	1980	1971	No	No
	7704 Rydal Terrace	1976	1988	1971	No	No
	7705 Rydal Terrace	1976	1991	1971	No	No
	7708 Rydal Terrace	1976	2002	1971	No	No
	7709 Rydal Terrace	1976	1979	1971	No	No
	7713 Rydal Terrace	1976	1976	1971	No	No
	7717 Rydal Terrace	1976	1988	1971	No	No
	7721 Rydal Terrace	1976	2005	1971	No	No
	7700 Polara Place - Rec 2A-3	1981	1981	1971	No	No
	7701 Polara Place	1981	1999	1971	No	No
	7704 Polara Place	1981	1999	1971	No	No
	7705 Polara Place	1981	1999	1971	No	No
	7708 Polara Place	1981	1995	1971	No	No
	7712 Polara Place	1981	1989	1971	No	No
2B	7500 Weatherby Drive	1981	2004	1971	No	No
	7502 Weatherby Drive	1981	2004	1971	No	No

2B	7504 Weatherby Drive	1981	2002	1971	No	No
	7515 Weatherby Drive	1981	1985	1971	No	No
	17113 Berclair Terrace - Rec 2B-1	1985	1986	1971	No	No
	17117 Berclair Terrace	1984	2005	1971	No	No
	17121 Berclair Terrace	1982	2005	1971	No	No
	17124 Berclair Terrace - Rec 2B-2	1981	1992	1971	No	No
	17125 Berclair Terrace	1984	1986	1971	No	No
	17128 Berclair Terrace	1981	1989	1971	No	No
	17132 Berclair Terrace	1981	1988	1971	No	No
	7500 Epsilon Drive	1986	1986	1971	No	No
	7504 Epsilon Drive	1983	2004	1971	No	No
	7516 Epsilon Drive	1981	1987	1971	No	No
3	7501 Epsilon Drive - Rec 3-1	1982	1982	1971	No	No
	7509 Epsilon Drive	1981	1989	1971	No	No
	17204 Berclair Terrace	1980	1998	1971	No	No
	17205 Berclair Terrace	1983	1983	1971	No	No
	17208 Berclair Terrace - Rec 3-2	1980	1996	1971	No	No
	17209 Berclair Terrace	1983	2003	1971	No	No
	17212 Berclair Terrace	1980	2004	1971	No	No
	17213 Berclair Terrace	1981	1999	1971	No	No
	17216 Berclair Terrace	1982	1997	1971	No	No
	17217 Berclair Terrace	1981	1981	1971	No	No
	17220 Berclair Terrace	1981	1987	1971	No	No
	17221 Berclair Terrace	1984	2001	1971	No	No
	17224 Berclair Terrace	1981	1981	1971	No	No
	17225 Berclair Terrace - Rec 3-3	1982	1982	1971	No	No
	17229 Berclair Terrace	1981	1993	1971	No	No
	7500 Tarpley Drive - Rec 3-4	1982	1987	1971	No	No
	7501 Tarpley Drive	1983	1983	1971	No	No
	7504 Tarpley Drive	1981	1981	1971	No	No
	7505 Tarpley Drive	1982	1991	1971	No	No
	7508 Tarpley Drive	1981	1981	1971	No	No
	7509 Tarpley Drive	1981	1982	1971	No	No
	7512 Tarpley Drive	1982	1985	1971	No	No
	7513 Tarpley Drive	1981	1985	1971	No	No
	7525 Tarpley Drive	1983	1983	1971	No	No
4	17409 Park Mill Drive	1965	2002	1971	Yes	No
	17413 Park Mill Drive	1965	1987	1971	Yes	No
	17417 Park Mill Drive	1965	1980	1971	Yes	No
	17421 Park Mill Drive	1965	2001	1971	Yes	No
	17424 Park Mill Drive	1965	1984	1971	Yes	No
	17425 Park Mill Drive - Rec 4-1	1965	2003	1971	Yes	No
	17429 Park Mill Drive	1965	1979	1971	Yes	No
	17432 Park Mill Drive	1965	1984	1971	Yes	No
	17433 Park Mill Drive	1965	2004	1971	Yes	No
	17436 Park Mill Drive	1965	1993	1971	Yes	No
	17437 Park Mill Drive	1965	2004	1971	Yes	No
	17500 Park Mill Drive	1965	2000	1971	Yes	No
	17501 Park Mill Drive	1965	1965	1971	Yes	Yes
	17504 Park Mill Drive - Rec 4-2	1965	2001	1971	Yes	No
	17505 Park Mill Drive - Rec 4-3	1965	1999	1971	Yes	No
	17508 Park Mill Drive	1965	1993	1971	Yes	No
	17509 Park Mill Drive	1965	2003	1971	Yes	No
	17512 Park Mill Drive	1965	1977	1971	Yes	No
	17513 Park Mill Drive	1965	1979	1971	Yes	No
	17516 Park Mill Drive	1965	2003	1971	Yes	No
	17517 Park Mill Drive	1965	1971	1971	Yes	Yes
	17521 Park Mill Drive	1965	1991	1971	Yes	No
	17524 Park Mill Drive	1965	1969	1971	Yes	Yes
	17525 Park Mill Drive	1965	1986	1971	Yes	No
	7300 Mill Run Drive - Rec 4-4	1965	1989	1971	Yes	No
	7310 Mill Run Drive	1965	1990	1971	Yes	No
5	7301 Mill Run Drive - Rec 5-1	1965	1985	1971	Yes	No
	7305 Mill Run Drive	1965	1965	1971	Yes	Yes
	7309 Mill Run Drive	1965	1965	1971	Yes	Yes
	17713 Cliffbourne Lane	1966	1976	1971	Yes	No
	17717 Cliffbourne Lane	1966	2000	1971	Yes	No
	17720 Cliffbourne Lane	1965	1997	1971	Yes	No
	17721 Cliffbourne Lane	1966	1966	1971	Yes	Yes

5	17725 Cliffbourne Lane	1966	1999	1971	Yes	No
	17728 Cliffbourne Lane	1965	1965	1971	Yes	Yes
	17729 Cliffbourne Lane	1966	2002	1971	Yes	No
	17732 Cliffbourne Lane	1965	1989	1971	Yes	No
	17733 Cliffbourne Lane	1966	1989	1971	Yes	No
	17736 Cliffbourne Lane - Rec 5-2	1965	2004	1971	Yes	No
	17737 Cliffbourne Lane - Rec 5-3	1966	1970	1971	Yes	Yes
	17740 Cliffbourne Lane	1966	2001	1971	Yes	No
	17741 Cliffbourne Lane	1966	2001	1971	Yes	No
	17744 Cliffbourne Lane	1966	1971	1971	Yes	Yes
	17745 Cliffbourne Lane	1966	1980	1971	Yes	No
	17800 Cliffbourne Lane	1965	2005	1971	Yes	No
	17801 Cliffbourne Lane	1966	2003	1971	Yes	No
	17805 Cliffbourne Lane	1966	1965	1971	Yes	Yes
	17808 Cliffbourne Lane	1965	2000	1971	Yes	No
	17809 Cliffbourne Lane - Rec 5-4	1960	1974	1971	Yes	No
	17813 Cliffbourne Lane	1966	1990	1971	Yes	No
	7300 Muncaster Mill Road	1965	2003	1971	Yes	No
	7304 Muncaster Mill Road	1965	1982	1971	Yes	No
	7308 Muncaster Mill Road	1965	2005	1971	Yes	No
6	16600 Bethayres Road - Rec 6-1	1986	1997	1971	No	No
	16601 Bethayres Road	1985	1991	1971	No	No
	16604 Bethayres Road	1986	1986	1971	No	No
	16605 Bethayres Road	1985	1985	1971	No	No
	16608 Bethayres Road	1985	1998	1971	No	No
	16812 Malabar Street	1973	1996	1971	No	No
	16816 Malabar Street - Rec 6-2	1973	1976	1971	No	No
	16817 Malabar Street	1973	1988	1971	No	No
	16820 Malabar Street	1973	1991	1971	No	No
	16821 Malabar Street	1973	1984	1971	No	No
	16824 Malabar Street	1973	2003	1971	No	No
	16825 Malabar Street - Rec 6-3	1973	1978	1971	No	No
	16828 Malabar Street	1973	1980	1971	No	No
	16829 Malabar Street	1973	1976	1971	No	No
	16832 Malabar Street	1973	2000	1971	No	No
	16833 Malabar Street	1979	1997	1971	No	No
	16836 Malabar Street - Rec 6-4	1973	1991	1971	No	No
	16837 Malabar Street	1979	1979	1971	No	No
	16840 Malabar Street	1973	1985	1971	No	No
	16844 Malabar Street	1973	1992	1971	No	No
	7717 Timbercrest Drive	1985	1985	1971	No	No
	7712 Camberford Place	1980	2001	1971	No	No
	16820 Camberford Street	1973	1993	1971	No	No
7A	16913 Briardale Road	1972	2002	1971	No	No
	16917 Briardale Road	1972	2003	1971	No	No
	16921 Briardale Road - Rec 7B-2	1973	1982	1971	No	No
	16925 Briardale Road	1972	1977	1971	No	No
	16929 Briardale Road	1972	1972	1971	No	No
	16933 Briardale Road	1972	1998	1971	No	No
	16937 Briardale Road - Rec 7A-1	1973	1993	1971	No	No
7B	7422 Tupelo Drive	1981	2003	1971	No	No
	1 Tupelo Court - Rec 7B-1	1981	1981	1971	No	No
	2 Tupelo Court	1981	1983	1971	No	No
	5 Tupelo Court	1981	2000	1971	No	No
	6 Tupelo Court - Rec 7B-2	1983	1997	1971	No	No
	9 Tupelo Court	1981	2005	1971	No	No
8A	7409 Tupelo Drive	1981	2001	1971	No	No
	7413 Tupelo Drive	1981	1992	1971	No	No
	7417 Tupelo Drive	1985	2003	1971	No	No
	7421 Tupelo Drive	1981	2002	1971	No	No
	7425 Tupelo Drive - Rec 8A-1	1981	2001	1971	No	No
	1 Founders Mill Court	1981	1981	1971	No	No
	2 Founders Mill Court	1981	1981	1971	No	No
	5 Founders Mill Court	1983	1996	1971	No	No
	6 Founders Mill Court	1981	1995	1971	No	No
	9 Founders Mill Court - Rec 8A-2	1983	1991	1971	No	No
	10 Founders Mill Court	1981	2000	1971	No	No
	13 Founders Mill Court	1982	2005	1971	No	No
	14 Founders Mill Court	1981	2005	1971	No	No

8A	17233 Founders Mill Drive	1983	1987	1971	No	No
	17301 Founders Mill Drive	1983	1983	1971	No	No
	17305 Founders Mill Drive	1983	1987	1971	No	No
	17309 Founders Mill Drive - Rec 8A-4	1983	1997	1971	No	No
	17313 Founders Mill Drive	1983	1983	1971	No	No
	17317 Founders Mill Drive	1984	1999	1971	No	No
	17321 Founders Mill Drive	1983	1983	1971	No	No
	17324 Founders Mill Drive - Rec 8A-3	1982	1992	1971	No	No
	17328 Founders Mill Drive	1981	1996	1971	No	No
8B	17308 Beauvoir Boulevard - Rec 8B-1	1964	1964	1971	Yes	Yes
	17312 Beauvoir Boulevard	1964	1985	1971	Yes	No
	7304 Blanchard Drive	1964	2000	1971	Yes	No
	7308 Blanchard Drive	1964	2001	1971	Yes	No
	7312 Blanchard Drive	1964	1985	1971	Yes	No
	7316 Blanchard Drive	1964	1976	1971	Yes	No
	7320 Blanchard Drive - Rec 8B-2	1964	1997	1971	Yes	No
	7324 Blanchard Drive	1964	2003	1971	Yes	No
	7328 Blanchard Drive	1964	1992	1971	Yes	No
	7331 Blanchard Drive	1964	2000	1971	Yes	No
	17500 McDade Court - Rec 8B-3	1964	2002	1971	Yes	No
	17501 McDade Court	1964	1978	1971	Yes	No
	17504 McDade Court	1964	1964	1971	Yes	Yes
	7200 Mill Run Drive - Rec 8B-4	1965	1990	1971	Yes	No
9	17700 Millcrest Drive - Rec 9-1	1972	2001	1971	No	No
	17701 Millcrest Drive	1972	2003	1971	No	No
	17704 Millcrest Drive	1972	1987	1971	No	No
	17705 Millcrest Drive	1972	1988	1971	No	No
	17708 Millcrest Drive	1972	2003	1971	No	No
	17709 Millcrest Drive - Rec 9-2	1972	1994	1971	No	No
	17713 Millcrest Drive	1972	2003	1971	No	No
	17717 Millcrest Drive	1972	1998	1971	No	No
	17720 Millcrest Drive	1971	1987	1971	Yes	No
	17721 Millcrest Drive	1972	1994	1971	No	No
	17725 Millcrest Drive	1971	1979	1971	Yes	No
	17730 Millcrest Drive	1971	1998	1971	Yes	No
	17734 Millcrest Drive	1971	2001	1971	Yes	No
	6 Millcrest Court	1971	1998	1971	Yes	No
	10 Millcrest Court	1971	1987	1971	Yes	No
	11 Millcrest Court	1971	1990	1971	Yes	No
	14 Millcrest Court	1971	2000	1971	Yes	No
	18 Millcrest Court	1971	1996	1971	Yes	No
	21 Millcrest Court	1971	1972	1971	Yes	No
	22 Millcrest Court - Rec 9-3	1971	2001	1971	Yes	No
	26 Millcrest Court	1971	1987	1971	Yes	No
	30 Millcrest Court	1971	2000	1971	Yes	No
	31 Millcrest Court - Rec 9-4	1971	1990	1971	Yes	No
	7268 Muncaster Mill Road	1988	1992	1971	No	No
	7270 Muncaster Mill Road	1988	1989	1971	No	No

LAS	Impacted homes	Noise Level	With Barrier	Insertion Loss	Number of Homes	Average insertion loss
1	7828 Briardale Terrace - Rec 1-3	67	58	9	9	10.00
	7850 Briardale Terrace	67	58	9		
	7852 Briardale Terrace	67	58	9		
	7854 Briardale Terrace	68	58	10		
	7856 Briardale Terrace	69	58	11		
	7858 Briardale Terrace	70	58	12		
	7860 Briardale Terrace - Rec 1-2	71	59	12		
	7893 Briardale Terrace	68	59	9		
	7891 Briardale Terrace	67	58	9		
2A	7700 Rydal Terrace - Rec 2A-2	68	59	9	3	8.67
	7701 Rydal Terrace	67	58	9		
	7704 Rydal Terrace	68	60	8		
2B	17113 Berclair Terrace - Rec 2B-1	69	59	10	4	9.75
	17117 Berclair Terrace	69	59	10		
	17121 Berclair Terrace	70	61	9		
	7500 Epsilon Drive	73	63	10		
3	7501 Epsilon Drive - Rec 3-1	69	59	10	12	9.50
	17205 Berclair Terrace	70	61	9		
	17209 Berclair Terrace	70	62	8		
	17213 Berclair Terrace	70	61	9		
	17217 Berclair Terrace	71	61	10		
	17221 Berclair Terrace	74	63	11		
	17225 Berclair Terrace - Rec 3-3	75	64	11		
	17229 Berclair Terrace	69	61	8		
	7500 Tarpley Drive - Rec 3-4	74	63	11		
	7501 Tarpley Drive	73	62	11		
	7504 Tarpley Drive	69	61	8		
	7505 Tarpley Drive	70	62	8		
4	17513 Park Mill Drive	68	60	8	2	8.50
	7300 Mill Run Drive - Rec 4-4	72	63	9		
5	7301 Mill Run Drive - Rec 5-1	69	59	10	2	9.50
	17737 Cliffbourne Lane - Rec 5-3	67	58	9		
6	16812 Malabar Street	75	65	10	9	10.67
	16816 Malabar Street - Rec 6-2	75	65	10		
	16820 Malabar Street	75	65	10		
	16824 Malabar Street	75	64	11		
	16828 Malabar Street	75	64	11		
	16832 Malabar Street	75	65	10		
	16836 Malabar Street - Rec 6-4	75	65	10		
	16840 Malabar Street	75	64	11		
	16844 Malabar Street	75	62	13		
7A	16933 Briardale Road	67	62	6	2	8.00
	16937 Briardale Road - Rec 7A-1	73	63	10		
7B	7422 Tupelo Drive	69	61	8	1	8.00
8A	7425 Tupelo Drive - Rec 8A-1	72	63	9	1	9.00
8B	7200 Mill Run Drive - Rec 8B-4	68	60	8	1	8.00
9	10 Millcrest Court	68	60	8	5	10.00
	14 Millcrest Court	71	60	11		
	18 Millcrest Court	72	61	11		
	22 Millcrest Court - Rec 9-3	71	60	11		
	26 Millcrest Court	70	61	9		